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## 电子电器/工业用胶方案

Electronic appliances/industrial silicone sealant solution

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**溧阳康达威实业有限公司**

Liyang Kangdawei Industrial Co., Ltd

南京大学化学化工学院康达威成果转化基地

Achievement Transformation Base of Nanjing University Chemical Industry Institute

**江苏省高新技术企业**

High and new technology enterprise of Jiangsu Province

中国·溧阳

Liyang-China

## 公司简介

溧阳康达威实业有限公司是胶粘剂和新材料研发、生产的高新技术企业。公司先后通过了ISO9001、IATF16949质量管理体系认证，ISO14001国际环境管理体系认证，OHSAS18001:2007职业健康安全管理体系认证。

公司拥有先进的生产设备、完善的产品检测手段，雄厚的技术力量，与南京大学长期保持技术合作并建立了“南京大学化工学院康达威成果转化基地”。多年来，公司依托自主知识产权，相继研制、开发、生产了多项省高新技术产品并获得了多项国内专利。公司产品已全部通过SGS认证，部分产品已通过UL认证。

公司本着高技术、高起点、高品质的原则，精益求精，追求卓越的信念，坚持以市场为导向，顾客满意为宗旨，按现代化企业管理标准要求，为社会各方客户实现质量承诺，热忱为各界客户服务。

## COMPANY PROFILE

Liyang Kangdawei Industrial Co., Ltd is the adhesive and new material research and development production of high-tech enterprises.

We have passed the ISO9001, IATF16949 quality management system certification, ISO14001 international environmental management system certification, OHSAS18001:2007 occupational health and safety management system certification.

With advanced production equipment, perfect product testing means and strong technical force, we have kept long-term cooperation with Nanjing University colleague and built "Nanjing University Colleague of Chemical Engineering Kangdawei Achievement Transformation Base".

Based on the independent intellectual property rights, our company has studied, developed and produced a large amount of provincial products and domestic patents. All of our products have passed the SGS certification, some of them have passed the UL certification.

Our company is based on the principle of high technology, high standing point and high quality, stands on the faith of keeping improving and pursuit of excellence, insists on market-orientation and purpose of customer's satisfaction. We are glad to offer service to our clients according to the requirements of modern enterprise management standard, in order to achieve the quality commitment.

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|                                                | 产品型号<br>Model No | 固化类型<br>Curing Type   | 流动性<br>Liquidity    | 导热<br>Thermal<br>Conductivity | 阻燃<br>Flame<br>Retardant<br>Property | 特性<br>Product Feature |                                                     | UL认证<br>UL Test<br>Certification |
|------------------------------------------------|------------------|-----------------------|---------------------|-------------------------------|--------------------------------------|-----------------------|-----------------------------------------------------|----------------------------------|
|                                                |                  |                       |                     |                               |                                      |                       |                                                     |                                  |
| 单组份室温固化硅胶<br>One-component RTV Silicone Rubber | KDW-1701         | 乙醇型 Ethanol type      | 流动性 Liquidity       |                               |                                      | 高透明度、表干快、低粘度          | High transparency, Table dry fast, low viscosity,   |                                  |
|                                                | KDW-1705         | 乙醇型 Ethanol type      | 流动性 Liquidity       |                               |                                      | 高透明度、表干快、粘着性好         | High transparency, Table dry fast, great adhesion   |                                  |
|                                                | KDW-937          | 乙醇型 Ethanol type      | 流动性 Liquidity       |                               |                                      | 透明色、表干快、多种粘度          | Transparent, Table dry fast, many viscosity         |                                  |
|                                                | KDW-1715         | 乙醇型 Ethanol type      | 流动性 Liquidity       |                               |                                      | 半透明色、粘着性好、多种粘度        | Translucent, great adhesion, many viscosity         |                                  |
|                                                | KDW-1718         | 乙醇型 Ethanol type      | 微流动性 Micro fluidity |                               |                                      | 半透明色、高粘着性、表干快         | Translucent, high viscosity, Table dry fast         |                                  |
|                                                | KDW-1719         | 乙醇型 Ethanol type      | 非流动型 illquidity     |                               |                                      | 半透明色、高粘着性、表干快         | Translucent, high viscosity, Table dry fast         |                                  |
|                                                | KDW-1711         | 乙醇型 Ethanol type      | 流动性 Liquidity       |                               |                                      | 半透明色、表干快、低粘度          | Translucent, Table dry fast, low viscosity          |                                  |
|                                                | KDW-1755         | 乙醇型 Ethanol type      | 流动性 Liquidity       |                               |                                      | 多种颜色、表干快、多种粘度         | Multi-color, Table dry fast, many viscosity         |                                  |
|                                                | KDW-1758         | 乙醇型 Ethanol type      | 微流动性 Micro fluidity |                               |                                      | 白/黑/灰色、表干快、通用型        | White/black/grey, Table dry fast, universal type    |                                  |
|                                                | KDW-1759         | 乙醇型 Ethanol type      | 非流动型 illquidity     |                               |                                      | 白色/黑色/灰色、表干快、高粘着性     | white/black/grey, Table dry fast, high viscosity,   |                                  |
|                                                | KDW-1751         | 乙醇型 Ethanol type      | 流动性 Liquidity       |                               |                                      | 白色/黑色/灰色、表干快、低粘度      | white/black/grey, Table dry fast, low viscosity     |                                  |
|                                                | KDW-1785         | 乙醇型 Ethanol type      | 流动性 Liquidity       |                               | ●                                    | 白色/黑色/灰色、阻燃性、通用型      | white/black/grey, flame retardance, universal type  |                                  |
|                                                | KDW-1789         | 乙醇型 Ethanol type      | 非流动型 illquidity     |                               | ●                                    | 白色/灰色、阻燃性、高粘着性        | white/black/grey, flame retardance, high viscosity, |                                  |
|                                                | KG-451R          | 酮肟型 Ketone oxime type | 流动性 Liquidity       |                               |                                      | 红色、耐高温                | Red, high temperature resistance                    | ●                                |
|                                                | KG-454R          | 酮肟型 Ketone oxime type | 流动性 Liquidity       |                               |                                      | 白色、耐高温                | White, high temperature resistance                  | ●                                |
|                                                | KG-455R          | 酮肟型 Ketone oxime type | 非流动型 illquidity     |                               |                                      | 半透明色、高粘着性             | Translucent, high viscosity                         |                                  |
|                                                | KDW-1415         | 酮肟型 Ketone oxime type | 流动性 Liquidity       |                               |                                      | 半透明色、通用型、多种粘度         | Translucent, universal type, many viscosity         |                                  |
|                                                | KDW-985          | 酮肟型 Ketone oxime type | 微流动性 Micro fluidity |                               |                                      | 灰色、高粘着性、耐高温           | Grey, high viscosity, high temperature resistance   |                                  |
|                                                | KDW-1455         | 酮肟型 Ketone oxime type | 流动性 Liquidity       |                               |                                      | 多种颜色、多种粘度、通用型         | Multi-color, many viscosity, universal type         |                                  |
|                                                | KDW-1459         | 酮肟型 Ketone oxime type | 非流动型 illquidity     |                               |                                      | 多种颜色、高粘着性、通用型         | Multi-color, great adhesion, universal type         |                                  |
|                                                | KDW-1201         | 甲醇型 Methanol type     | 流动性 Liquidity       |                               |                                      | 透明色、低粘度               | Transparent, low viscosity                          |                                  |
|                                                | KDW-1215         | 甲醇型 Methanol type     | 流动性 Liquidity       |                               |                                      | 半透明色、表干快、多种粘度         | Translucent, Table dry fast, many viscosity         |                                  |
|                                                | KDW-1218         | 甲醇型 Methanol type     | 微流动性 Micro fluidity |                               |                                      | 半透明色、有堆积度             | Translucent, degree of accumulation                 |                                  |
|                                                | KDW-1219         | 甲醇型 Methanol type     | 非流动型 illquidity     |                               |                                      | 半透明色、膏状、通用型、高粘着性      | Translucent, paste, universal type, great adhesion  |                                  |
|                                                | KDW-1251         | 甲醇型 Methanol type     | 流动性 Liquidity       |                               |                                      | 各种颜色、低粘度              | Multi-color, low viscosity                          |                                  |
|                                                | KDW-1255         | 甲醇型 Methanol type     | 流动性 Liquidity       |                               |                                      | 多种颜色、表干快、通用型          | Multi-color, Table dry fast, universal type         |                                  |
|                                                | KDW-1268         | 甲醇型 Methanol type     | 微流动性 Micro fluidity | ●                             | ●                                    | 白色/灰色、导热性             | White/grey, thermal conductive                      |                                  |
|                                                | KDW-1608         | 甲醇型 Methanol type     | 非流动型 illquidity     | ●                             | ●                                    | 白色/灰色、导热性、阻燃性         | White/grey, thermal conductive, flame retardant     | ●                                |
|                                                | KDW-1807         | 甲醇型 Methanol type     | 非流动型 illquidity     | ●                             |                                      | 白色/黑色/灰色、高粘着性、阻燃性     | White/black/grey, high viscosity, flame retardant   | ●                                |
|                                                | KDW-1315         | 丙酮型 Acetone type      | 流动性 Liquidity       |                               |                                      | 半透明色、表干快、多种粘度         | Translucent, Table dry fast, many viscosity         |                                  |
|                                                | KDW-1355         | 丙酮型 Acetone type      | 流动性 Liquidity       |                               |                                      | 多种颜色、固化快、多种粘度         | Multi-color, Table dry fast, many viscosity         |                                  |
|                                                | KDW-1359         | 丙酮型 Acetone type      | 非流动型 illquidity     |                               |                                      | 多种颜色、固化快、高粘着性         | Multi-color, Table dry fast, high viscosity         |                                  |
|                                                | KDW-1369         | 丙酮型 Acetone type      | 非流动型 illquidity     | ●                             |                                      | 多种颜色、固化快、导热性          | Multi-color, Table dry fast, thermal conductive     |                                  |
|                                                | KDW-1077         | 缩合型 Condensation type | 流动性 Liquidity       |                               |                                      | 透明色、高粘着性、硅树脂          | Transparent, high viscosity, silicone               |                                  |
| 导热硅脂<br>Thermal Silicone Grease                | 产品型号<br>Model No | 固化类型<br>Curing Type   | 流动性<br>Liquidity    | 导热<br>Thermal<br>Conductivity | 阻燃<br>Flame<br>Retardant<br>Property | 特性<br>Product Feature |                                                     | UL认证<br>UL Test<br>Certification |
|                                                | KDW-606          | —                     | 非流动性 illquidity     | ●                             | ●                                    | 白色、低粘度、低挥发            | White, low viscosity, low volatility                | ●                                |
|                                                | KDW-608          | —                     | 非流动性 illquidity     | ●                             | ●                                    | 白色/灰色、低粘度、低挥发         | White/grey, low viscosity, low volatility           | ●                                |
|                                                | KDW-730          | —                     | 非流动性 illquidity     | ●                             | ●                                    | 灰色、低粘度、低挥发            | grey, low viscosity, low volatility                 | ●                                |
|                                                | KDW-740          | —                     | 非流动性 illquidity     | ●                             | ●                                    | 灰色、高导热、低挥发            | grey, great thermal conductive low volatility       | ●                                |
|                                                | KDW-750          | —                     | 非流动性 illquidity     | ●                             | ●                                    | 灰色、高导热、低挥发            | grey, great thermal conductive low volatility       | ●                                |

| 双组份缩合固化硅橡胶<br>Two-component condensation curing silicone | 产品型号<br>Model No | 固化类型<br>Curing Type      | 流动性<br>Liquidity | 导热<br>Thermal Conductivity | 阻燃<br>Flame Retardant Property | 特性<br>Product Feature | UL认证<br>UL Test Certification                                  |
|----------------------------------------------------------|------------------|--------------------------|------------------|----------------------------|--------------------------------|-----------------------|----------------------------------------------------------------|
|                                                          | KDW-310          | 缩合固化 Condensation Curing | 流动性 Liquidity    |                            |                                | 高透明色、低粘度、灌密封胶         | Transparent, low viscosity, potting sealant                    |
|                                                          | KDW-311          | 缩合固化 Condensation Curing | 流动性 Liquidity    |                            |                                | 半透明色、低粘度、灌密封胶         | Translucent, low viscosity, potting sealant                    |
|                                                          | KDW-351          | 缩合固化 Condensation Curing | 非流动性 illiquidity |                            |                                | 半透明色、粘着性好             | Translucent, good adhesion                                     |
|                                                          | KDW-3581         | 缩合固化 Condensation Curing | 流动性 Liquidity    |                            |                                | 半透明色、粘着性好             | Translucent, good adhesion                                     |
|                                                          | KDW-3582         | 缩合固化 Condensation Curing | 流动性 Liquidity    |                            | ●                              | 多种颜色、粘着性好、灌密封胶        | Multi-color, good adhesion, potting sealant                    |
|                                                          | KDW-338          | 缩合固化 Condensation Curing | 非流动性 illiquidity |                            |                                | 白色、灰色、高粘着性            | white, grey, high viscosity                                    |
|                                                          | KDW-358          | 缩合固化 Condensation Curing | 非流动性 illiquidity |                            |                                | 多种颜色、粘着性好、通用型         | Multi-color, good adhesion, universal type                     |
|                                                          | KDW-341          | 缩合固化 Condensation Curing | 流动性 Liquidity    |                            |                                | 半透明色、低硬度、高伸长灌密封胶      | Translucent, low hardness, high elongation potting sealant     |
|                                                          | KDW-345          | 缩合固化 Condensation Curing | 流动性 Liquidity    |                            |                                | 蓝色、低硬度、高伸长灌密封胶        | blue, low hardness, high elongation potting sealant            |
|                                                          | KDW-347          | 缩合固化 Condensation Curing | 流动性 Liquidity    |                            |                                | 黄色、低硬度、高伸长灌密封胶        | yellow, low hardness, high elongation potting sealant          |
|                                                          | KDW-3580         | 缩合固化 Condensation Curing | 流动性 Liquidity    |                            |                                | 透明色、低粘度、粘着性好          | Transparent, low viscosity, good adhesion                      |
|                                                          | KDW-3589         | 缩合固化 Condensation Curing | 流动性 Liquidity    |                            |                                | 黑色、粘着性好、灌密封胶          | Black, good adhesion, potting sealant                          |
|                                                          | KDW-3588         | 缩合固化 Condensation Curing | 流动性 Liquidity    |                            |                                | 多种颜色、粘着性好、灌密封胶、通用型    | Multi-color, good adhesion, universal type, potting sealant    |
|                                                          | KDW-368          | 缩合固化 Condensation Curing | 流动性 Liquidity    | ●                          |                                | 多种颜色、粘着性好、导热灌密封胶      | Multi-color, good adhesion, thermal conductive potting sealant |
| 双组份加成固化<br>Two-component Addition Curing Silicone Rubber | 产品型号<br>Model No | 固化类型<br>Curing Type      | 流动性<br>Liquidity | 导热<br>Thermal Conductivity | 阻燃<br>Flame Retardant Property | 特性<br>Product Feature | UL认证<br>UL Test Certification                                  |
|                                                          | KDW-210          | 加成固化 Addition Cured      | 流动性 Liquidity    |                            |                                | 高透明度、低粘度、灌密封胶         | High transparency, low viscosity, potting sealant              |
|                                                          | KDW-230          | 加成固化 Addition Cured      | 流动性 Liquidity    |                            |                                | 透明、高强度、硅树脂、灌密封胶       | Transparent, high strength, silicone, potting sealant          |
|                                                          | KDW-240          | 加成固化 Addition Cured      | 流动性 Liquidity    |                            |                                | 高透明度、低粘度、硅凝胶、灌密封胶     | High transparency, low viscosity, silica gel, potting sealant  |
|                                                          | KDW-211          | 加成固化 Addition Cured      | 流动性 Liquidity    |                            |                                | 半透明色、灌密封胶             | Translucent, potting sealant                                   |
|                                                          | KDW-218          | 加成固化 Addition Cured      | 流动性 Liquidity    | ●                          |                                | 多种颜色、导热灌密封胶、通用型       | Multi-color, heat-conducting potting sealant, universal type   |
|                                                          | KDW-248          | 加成固化 Addition Cured      | 非流动性 illiquidity | ●                          | ●                              | 多种颜色、导热硅凝胶            | Multi-color, heat-conducting silica gel                        |
|                                                          | KDW-260          | 加成固化 Addition Cured      | 流动性 Liquidity    | ●                          | ●                              | 白色/灰色、导热灌密封胶、通用型      | white/grey, heat-conducting potting sealant, universal type    |
|                                                          | KDW-270          | 加成固化 Addition Cured      | 流动性 Liquidity    | ●                          | ●                              | 白色/灰色、导热灌密封胶          | white/grey, heat-conducting potting sealant                    |
|                                                          | KDW-280          | 加成固化 Addition Cured      | 流动性 Liquidity    | ●                          | ●                              | 红色/蓝色、导热灌密封胶          | red/blue, heat-conducting potting sealant                      |
|                                                          | KDW-290          | 加成固化 Addition Cured      | 流动性 illiquidity  | ●                          | ●                              | 红色/蓝色、导热灌密封胶          | red/blue, heat-conducting potting sealant                      |
|                                                          | KDW-268          | 加成固化 Addition Cured      | 流动性 Liquidity    |                            | ●                              | 多种颜色、粘着性好、通用型         | Multi-color, great adhesion, universal type                    |
|                                                          | KDW-278          | 加成固化 Addition Cured      | 非流动性 illiquidity |                            | ●                              | 多种颜色、粘着性好、通用型         | Multi-color, great adhesion, universal type                    |
| 单组份加成固化<br>One-component Addition Curing Silicone Rubber | 产品型号<br>Model No | 固化类型<br>Curing Type      | 流动性<br>Liquidity | 导热<br>Thermal Conductivity | 阻燃<br>Flame Retardant Property | 特性<br>Product Feature | UL认证<br>UL Test Certification                                  |
|                                                          | KDW-2201         | 加成固化 Addition Cured      | 流动性 Liquidity    |                            |                                | 透明、硅树脂灌密封胶            | Transparent, silicone potting sealant                          |
|                                                          | KDW-2205         | 加成固化 Addition Cured      | 流动性 Liquidity    |                            |                                | 透明、高强度、硅树脂、灌密封胶       | Transparent, high strength, silicone, potting sealant          |
|                                                          | KDW-2119         | 加成固化 Addition Cured      | 非流动性 illiquidity |                            |                                | 半透明色、高粘着性             | Translucent, excellent adhesion                                |
|                                                          | KDW-2255         | 加成固化 Addition Cured      | 流动性 Liquidity    |                            |                                | 灰色、高粘着性               | Grey, excellent adhesion                                       |
|                                                          | KDW-2155         | 加成固化 Addition Cured      | 流动性 Liquidity    |                            |                                | 多种颜色、粘着性好、通用型         | Multi-color, great adhesion, universal type                    |
|                                                          | KDW-2159         | 加成固化 Addition Cured      | 非流动性 illiquidity |                            |                                | 多种颜色、粘着性好、通用型         | Multi-color, great adhesion, universal type                    |
|                                                          | KDW-2189         | 加成固化 Addition Cured      | 非流动性 illiquidity |                            | ●                              | 多种颜色、粘着性好、通用型         | Multi-color, great adhesion, universal type                    |
|                                                          | KDW-2169         | 加成固化 Addition Cured      | 非流动性 illiquidity | ●                          | ●                              | 白色/灰色、导热、粘着性好         | White/grey, thermal conductive, good adhesion                  |
|                                                          | KDW-2299         | 加成固化 Addition Cured      | 非流动性 illiquidity |                            |                                | 灰色/黑色、导电、粘着性好         | Grey/black, electrical conductivity, great adhesion            |

## 缩合型单组份室温固化硅橡胶 One-component Addition Curing Silicone Rubber

### 产品特性:

缩合型单组份室温固化硅橡胶, 这种系列产品可在密封容器中(如: 金属软管、塑料管、塑料桶)长期保存, 当接触空气便吸收空气中的湿气由胶层表面向胶层内部固化。适当提高环境温度和湿度会加速产品固化, 固化时释放出微量低分子。根据释放的低分子种类不同可分为脱甲醇型、脱乙醇性、脱酮肟、丙酮型等。一般产品对绝大多数材料均具有较好的粘接密封性能, 耐紫外线、耐冷热冲击、耐室内外老化。具有使用方便, 粘接力强, 适用性广等特点。我公司生产的产品均为中性密封胶, 无溶剂、无腐蚀、无毒害、对环境无污染, 完全符合欧盟环保指令要求。

### Product feature:

This item could be kept in sealed container for long term. It would absorb the moisture in the air and solidify from the surface layer to the interior of the adhesive layer when it contacts air. Proper increase of ambient temperature and humidity will accelerate this sealant curing, and it release low molecules during the curing process. According to the different types of released low molecules, we divided them into methanol type, ethanol type, ketone oxime type, acetone type..etc.They have great bonding and sealing performance to most materials, resistant to ultraviolet radiation, thermal and cold shock, indoor and outdoor aging.All of them are neutral sealants, no solvent, no corrosion, no poison, and no pollution to the environment, which has met the requirements of the EU environmental protection directive.

### 产品用途:

可根据产品型号的不同适用于各种元器件的密封或粘接, 可长期使用于室内外产品的密封保护、防水、绝缘等。



### Product usage:

According to different product models, it could be used for sealing or bonding of various kinds components, which could be used for sealing protection, waterproof and insulation of indoor and outdoor equipment for long term.

### 使用方法:

**清洁表面:** 将被粘或被涂覆物表面整理干净, 除去灰尘和油污等。

**施胶:** 对于塑料管包装, 用刀片削开前端部份, 套上胶嘴, 胶嘴切成适宜的斜面, 用挤胶枪将胶液挤到施工部位即可。进行粘接时, 将被粘面合拢固定即可。气动施胶时气压建议不超过0.4Mpa, 使用点胶机设备请咨询康达威市场部门。

**固化:** 将涂装好的部件置于空气中, 室温及40~70%相对湿度固化, 24小时固化深度2~3mm。随着时间延长, 固化深度逐渐加深。

**注意事项:** 操作完成后, 未完成的胶立即密封保存。再次使用时若封口处有少许结皮, 将其去除即可, 不影响使用。

## 缩合型单组份室温固化硅橡胶 One-component Addition Curing Silicone Rubber

### Method of application :

**Clean the surface:** clean the surface of the sticky or coated material, remove the dust and grease...

**Sizing:** cut the front part of the tube, put on the rubber nozzle cut the nozzle into a suitable bevel, finally use the squeeze gun to squeeze the glue to the construction site.

**Curing:** place the coated component in the air, it would be cured in the room temperature and 40~70% relative humidity. The curing depth will be 2~3mm in 24 hours.

**PS:** The unused glue should be sealed immediately after the operation. If there is a little skinning on the surface when you wanna use again, you just need to remove them.

### 包装规格:

45ml/支, 200支/箱; 100ml/支, 100支/箱; 300ml/支, 25支/箱;

330ml/支, 25支/箱; 2.6L/支, 4支/箱;

### Package specification:

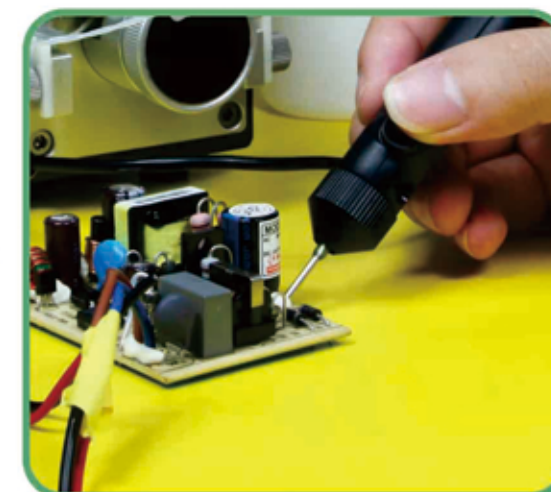
45ml/pc, 200pcs/ctn; 100ml/pc, 100pcs/ctn; 300ml/tube, 25tubes/ctn  
330ml/tube, 25tubes/ctn; 2.6L/drum, 4drums/ctn

### 储存及运输:

- ◆ 需在密封的容器中避光、避热、通风干燥的环境下保存;
- ◆ 在8~28°C阴凉干燥处贮存, 贮存期为6~12个月;
- ◆ 可作为非危险品运输;

### Storage and transportation :

- ◆ It should be stored in an airtight container , and in a dry and ventilated environment;
- ◆ It could be stored for 6~12 months in a cool and dry place at 8~28°C environment;
- ◆ It could be transported as non-dangerous goods;



## 缩合型单组份导热硅胶技术参数

Condensation type one-component thermal conductive silicone rubber

| 项目 Project                            | 型号 Item No        | KDW-1608            | KDW-1608LX          | KDW-1608LY          | KDW-1608LZ          | 检验方法 Test Method     |
|---------------------------------------|-------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| 颜色外观 Color Appearance                 |                   | 白色/灰色 White/Grey    | 白色/灰色 White/Grey    | 白色/灰色 White/Grey    | 白色/灰色 White/Grey    | 目测 Visual Inspection |
| 密度 Density                            | g/cm <sup>3</sup> | 1.70±0.05           | 2.20±0.05           | 2.75±0.05           | 2.95±0.05           | GB/T 13477.2         |
| 表干时间 Tack Free Time                   | min               | 3~15                | 3~15                | 3~15                | 3~15                | GB/T13477.5          |
| 拉伸强度 Tensile Strength                 | Mpa               | ≥2.5                | ≥2.0                | ≥1.5                | ≥1.5                | GB/T528              |
| 伸长率 Tensile Elongation                | %                 | ≥150                | ≥150                | ≥80                 | ≥80                 | GB/T528              |
| 邵氏硬度 Shore Hardness                   | A                 | 50~70               | 50~70               | 40~60               | 40~60               | GB/T531              |
| 介电常数 Dielectric Constant              | 1MHz              | ≤5.0                | ≤6.0                | ≤7.0                | ≤7.0                | GB/T1693             |
| 体积电阻率 Volume Resistivity              | Ω·cm              | ≥1×10 <sup>14</sup> | ≥1×10 <sup>14</sup> | ≥1×10 <sup>12</sup> | ≥1×10 <sup>12</sup> | GB/T1692             |
| 击穿强度 Electrical Breakdown Strength    | KV/mm             | ≥15                 | ≥12                 | ≥8.0                | ≥8.0                | GB/T1695             |
| 热导系数 Thermal conductivity coefficient | W/m·K             | 1.0                 | 1.5                 | 2.0                 | 2.5                 | GB/T11205            |
| 使用温度 Operating Temperature            | °C                | -40~+200            | -40~+200            | -40~+200            | -40~+200            | -                    |

## 缩合型单组份室温固化硅橡胶技术参数

Condensation type one-component RTV silicone rubber

| 项目 Project                         | 型号 Item No        | KDW-1701            | KDW-1711            | KDW-1201            | KDW-1211            | 检验方法 Test Method     |
|------------------------------------|-------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| 颜色外观 Color Appearance              |                   | 透明色 Transparent     | 半透明色 Translucent    | 透明色 Transparent     | 半透明色 Translucent    | 目测 Visual Inspection |
| 粘度 Viscosity                       | pa.s              | 500~1000            | 800~1200            | 500~800             | 1200~1500           | GB/T2794             |
| 密度 Density                         | g/cm <sup>3</sup> | 0.98                | 1.02                | 0.98                | 1.02                | GB/T 13477.2         |
| 表干时间 Tack Free Time                | min               | 3~15                | 3~15                | 10~20               | 10~20               | GB/T13477.5          |
| 拉伸强度 Tensile Strength              | Mpa               | ≥0.4                | ≥0.6                | ≥0.4                | ≥0.6                | GB/T528              |
| 伸长率 Tensile Elongation             | %                 | ≥100                | ≥150                | ≥100                | ≥150                | GB/T528              |
| 邵氏硬度 Shore Hardness                | A                 | 20~30               | 25~35               | 20~30               | 25~35               | GB/T531              |
| 体积电阻率 Volume Resistivity           | Ω·cm              | ≥1×10 <sup>14</sup> | ≥1×10 <sup>14</sup> | ≥1×10 <sup>14</sup> | ≥1×10 <sup>14</sup> | GB/T1692             |
| 介电常数 Dielectric Constant           |                   | 2.5~3.5             | 2.5~3.5             | 2.5~3.5             | 2.5~3.5             | GB/T1693             |
| 介质损耗角正切值 Tan                       |                   | ≤3×10 <sup>-2</sup> | ≤3×10 <sup>-2</sup> | ≤3×10 <sup>-2</sup> | ≤3×10 <sup>-2</sup> | GB/T1693             |
| 击穿强度 Electrical Breakdown Strength | KV/mm             | ≥15                 | ≥15                 | ≥15                 | ≥15                 | GB/T1695             |

用于电路板及电子元器件披覆

Be used for coating circuit boards and electronic components

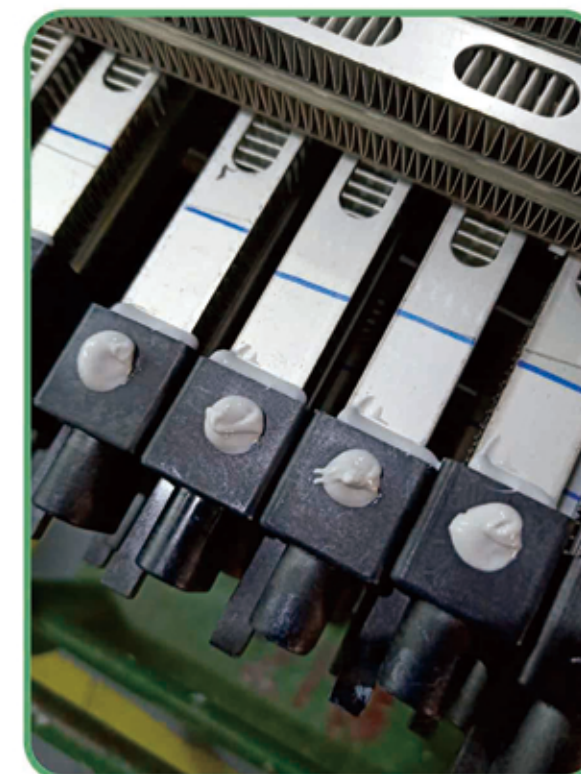
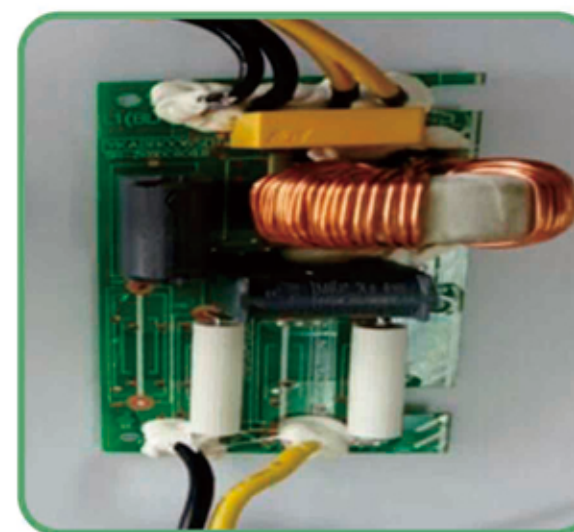
## 缩合型单组份室温固化硅橡胶技术参数

Condensation type one-component RTV silicone rubber

| 项目 Project                         | 型号 Item No        | KDW-1719            | KG-455R             | KDW-1807               | KDW-1789               | KDW-1459                     | 检验方法 Test Method     |
|------------------------------------|-------------------|---------------------|---------------------|------------------------|------------------------|------------------------------|----------------------|
| 颜色外观 Color Appearance              |                   | 半透明 Translucent     | 半透明 Translucent     | 白/黑/灰 White/black/grey | 白/黑/灰 White/black/grey | 白/黑/灰/红 White/black/grey/red | 目测 Visual Inspection |
| 密度 Density                         | g/cm <sup>3</sup> | 1.10±0.05           | 1.05±0.05           | 1.40±0.05              | 1.55±0.05              | 1.40±0.05                    | GB/T13477.2          |
| 表干时间 Tack Free Time                | min               | 3~15                | 10~30               | 5~20                   | 5~15                   | 10~30                        | GB/T13477.5          |
| 拉伸强度 Tensile Strength              | Mpa               | ≥1.5                | ≥1.5                | ≥2.0                   | ≥2.5                   | ≥2.0                         | GB/T528              |
| 伸长率 Tensile Elongation             | %                 | ≥150                | ≥200                | ≥200                   | ≥150                   | ≥300                         | GB/T528              |
| 邵氏硬度 Shore Hardness                | A                 | 30~40               | 25~35               | 30~45                  | 50~70                  | 35~45                        | GB/T531              |
| 剪切强度 Shear Strength                | Mpa               | ≥1.0                | ≥1.0                | ≥1.5                   | ≥2.0                   | ≥2.0                         | GB/T7124             |
| 体积电阻率 Volume Resistivity           | Ω·cm              | ≥1×10 <sup>14</sup> | ≥1×10 <sup>14</sup> | ≥1×10 <sup>14</sup>    | ≥1×10 <sup>14</sup>    | ≥1×10 <sup>14</sup>          | GB/T1692             |
| 介电常数 Dielectric often degrees      |                   | 2.5~3.5             | 2.5~3.5             | 2.5~3.5                | 2.5~3.5                | 2.5~3.5                      | GB/T1693             |
| 介质损耗角正切值 Tan                       |                   | ≤3×10 <sup>-2</sup> | ≤3×10 <sup>-2</sup> | ≤3×10 <sup>-2</sup>    | ≤3×10 <sup>-2</sup>    | ≤3×10 <sup>-2</sup>          | GB/T1693             |
| 击穿强度 Electrical Breakdown Strength | KV/mm             | ≥15                 | ≥15                 | ≥15                    | ≥20                    | ≥20                          | GB/T1695             |

用于一般工业粘接密封

Be used for general industrial bonding and sealing



## 缩合型双组份室温固化硅橡胶 Two-component Condensation Curing Silicone Rubber

### 产品特性:

缩合型双组份室温固化硅橡胶由A、B两组份组成,使用时按比例将A、B组份混合搅匀,即可投入使用。按使用用途不同可制成灌封胶和用于粘接的密封胶。固化速度可调节,可深度固化,具有良好的工艺性能。固化后的胶绝缘性和密封性优良,具有耐电弧、耐电晕、耐老化、耐高低温、防水防潮等特性。产品无溶剂、无腐蚀、无毒害、对环境无污染,完全符合欧盟环保指令要求。

### Product feature:

This kind item is composed of two component, mix the two component in proportion together when using. This could be made into pouring adhesive and sealing adhesive according to different usage, besides the curing speed can be adjusted, which owns great process performance.

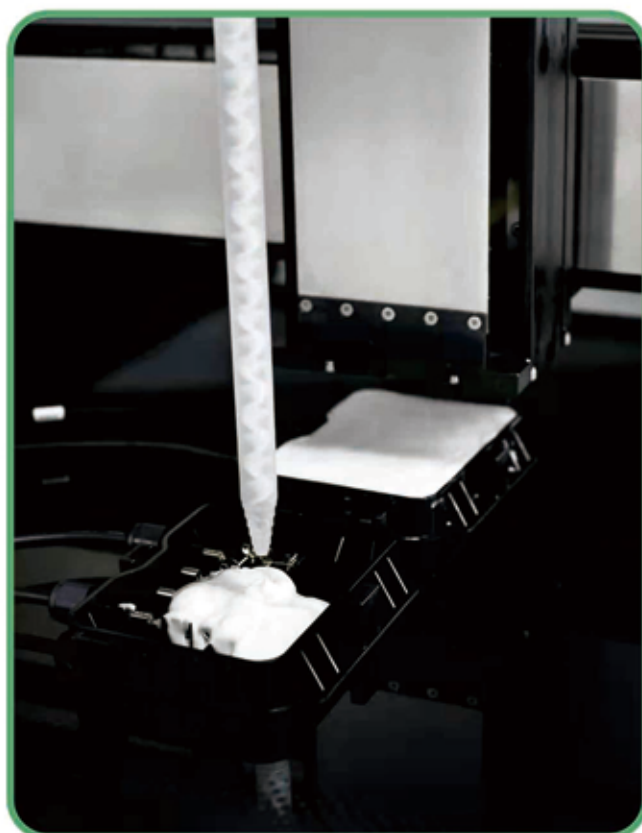
The cured elastomer has excellent electrical properties, aging resistance, high and low temperature resistance, waterproof and moistureproof, no corrosion to the contact material and no pollution to the surround environment, which meet the requirements of the RoHS..

### 产品用途:

适用于电子元器件,集成电路板,变压器及大面积粘合密封件的浇注和灌封。

### Product usage:

It can be suitable for pouring and potting of the electronic components, integrated circuit boards, transformers and large area adhesive seals.



## 缩合型双组份室温固化硅橡胶 Two-component Condensation Curing Silicone Rubber

### 使用方法:

1.先将胶料搅拌均匀固化剂摇晃均匀,再按照胶料与固化剂的比例称重,放入另一个容器中(如塑杯或不锈钢桶)搅匀。对于固化慢粘度较低的品种,可以不抽真空排泡自己消失。反之则最好抽真空排泡。一般操作时间约30-60分钟,固化时间6-12小时,在50℃以下,温度越高,湿度越大,则固化越快,故南方夏季可减少固化剂用量。

2.由于固化时释放出微量乙醇,初期电性能不好,待乙醇挥发(或固化彻底后再在80-100℃烘数小时),电性能就好了。

3.固化剂用后要盖紧,在阴凉环境中保存。固化剂存放时间太长后固化速度会变慢,届时请赐电咨询。

4.可提供具有导热、阻燃、高强度、或软或硬的品种,其余常规品种见附表。

### Method of application:

1.Mix the two components well, then weigh them in proportion and put them into another container; You would better to vacuum bubbles, which is better for usage. After degassing, it can be applied for perfusion or coating. Generally, the operation time is about 30-60minutes and the curing time is 6-12 hours. Under 50 °C temperature,the higher the temperature and humidity, the faster the speed of curing.

2.Due to the release of trace amount of ethanol during the curing process, the initial electrical performance is not good at the beginning, this will be better after the ethanol volatilization.

3.After usage, make sure the curing agent cover tightly and store in a cool environment.

### 包装规格:

A组分:5kg、10kg、12kg、20kg塑料桶; B组分:1kg、2kg、5kg塑料桶  
也可订做其他包装

### Package specification:

Component A: 5kg,10kg,12kg,20kg / drum

Component B: 1kg,2kg,5kg/drum also can be customized

### 储存及运输:

- ◆ A/B组份需避光、避热、密封保存;
- ◆ 在8~28℃阴凉干燥处贮存,A/B组份的储存期各为9个月;
- ◆ 可作为非危险品运输;

### Storage and transportation:

- ◆It should be stored in an airtight container , and in a dry and ventilated environment;
- ◆It could be stored for 9 months in a cool and dry place at 8~28℃ environment;
- ◆It could be transported as non-dangerous goods;

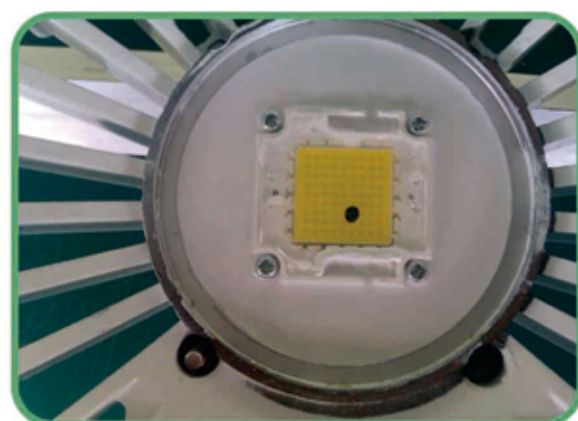
## 缩合型双组份室温固化硅橡胶技术参数

Condensation type two-component RTV silicone rubber

| 项目Project            | 型号Item No                                   | KDW-310             | KDW-311             | KDW-3582                   | KDW-338             | 检验方法Test Method         |
|----------------------|---------------------------------------------|---------------------|---------------------|----------------------------|---------------------|-------------------------|
| 固化前<br>Before curing | 颜色外观<br>Color Appearance                    | 透明色<br>Transparent  | 半透明色<br>Translucent | 白/黑/灰色<br>white/black/grey | 白/灰色<br>white/grey  | 目测<br>Visual Inspection |
|                      | 粘度 混合后 pa.s<br>Viscosity                    | 1500~2500           | 2000~3000           | 3000~6000                  | 膏状<br>Paste         | GB/T2794                |
|                      | 密度 g/cm3<br>Density                         | 0.98                | 1.02                | 1.25±0.05                  | 1.35±0.05           | GB/T 13477.2            |
|                      | 操作时间 min<br>Operation Time                  | ≥60                 | ≥30                 | ≥15                        | ≥15                 | 25℃                     |
|                      | 固化时间 h<br>Curing Time                       | 24~48               | 12~24               | 8~12                       | 4~8                 | 25℃                     |
| 固化后<br>100% Cured    | 拉伸强度 Mpa<br>Tensile Strength                | ≥0.4                | ≥0.8                | ≥1.0                       | ≥2.0                | GB/T528                 |
|                      | 伸长率 %<br>Tensile Elongation                 | ≥100                | ≥150                | ≥100                       | ≥300                | GB/T528                 |
|                      | 邵氏硬度 A<br>Shore Hardness                    | 20~30               | 25~35               | 25~35                      | 30~45               | GB/T531                 |
|                      | 体积电阻率 Ω·cm<br>Volume Resistivity            | ≥1×10 <sup>14</sup> | ≥1×10 <sup>14</sup> | ≥1×10 <sup>14</sup>        | ≥1×10 <sup>14</sup> | GB/T1692                |
|                      | 介电常数<br>Dielectric often degrees            | 2.5~3.5             | 2.5~3.5             | 2.5~3.5                    | 2.5~3.5             | GB/T1693                |
|                      | 介质损耗角正切值<br>Tan                             | ≤3×10 <sup>-2</sup> | ≤3×10 <sup>-2</sup> | ≤3×10 <sup>-2</sup>        | ≤3×10 <sup>-2</sup> | GB/T1693                |
|                      | 击穿强度 KV/mm<br>Electrical Breakdown Strength | ≥15                 | ≥15                 | ≥20                        | ≥20                 | GB/T1695                |

用于电路板及电子元器件灌封及粘接

Be used for filling and bonding of circuit boards and electronic components



## 双组份加成型硅橡胶

Two-component Addition Curing Silicone Rubber

### 产品特性:

双组份加成型硅橡胶系列产品是通过加成反应产生交联固化成弹性体。它有A、B两部分液体组成,当两组份以规定的比例充分混合后就能固化成弹性体。可在室温下固化,也可在60℃以上的温度下加速固化。固化时不产生任何低分子有害物质,无任何污染,绝对无毒,深度再大也能彻底固化。固化后的弹性体具有优良的电气性能,耐老化,耐高低温,防水防潮,对接触的材料不产生腐蚀作用和对周边环境不产生污染,完全符合RoHS指令及相关环保要求。

灌封后的元器件即使在200℃左右的环境中长期使用,内部也不会返原液化。电气性能特别优良,在各种橡胶产品其固化时线收缩率最低(0.1%),耐温可达-60~+300℃,即使不添加阻燃材料也能阻燃其软硬度可以大幅度进行调节,可根据用途不同制成灌封胶、用于粘接的密封胶、用于导热的导热灌封胶和导热凝胶,是近年来发展最快的一类高档硅橡胶。

### Product feature:

This item is crosslinked curing elastomer through addition reaction, and consists two liquid parts, which can solidify into an elastomer when fully mixed in a specified proportion. It can be cured at room temperature or accelerated at the temperature above 60℃. No matter how deep it is, it can be 100% cured, and do not produce any harmful substances during the process. The cured elastomer has excellent electrical properties, aging resistance, high and low temperature resistance, waterproof and moistureproof, no corrosion to the contact material and no pollution to the surround environment, which meet the requirements of the RoHS...Even if the components are used in the environment of about 200℃ for long term, they will not return to original liquefaction. This is one of the fastest growing type of high-grade silicone rubber in recent years, which owns excellent electrical performance. It could be made as potting sealant, sealing sealant, or thermal conductive one, just depend on the usage.

### 产品用途:

适用于一般电子元器件、电源模块和印刷线路板的保护,防水防潮、耐高压及汽车电器和各种电子电器的灌封。广泛用于可控硅、半导体三级管,电子元器件、集成电路等需要高纯度、高电气性能等场合的涂敷、保护。

### Product usage:

It is suitable for general electronic components, power module and circuit board protection, waterproof, moisture-proof, high-voltage resistance and filling of automobile electrical appliances and various electronic appliances.

It is widely used in thyristor, semiconductor three-level tube, electronic components, integrated circuits and other occasions requiring high purity, high electrical performance coating, protection.



## 双组份加成型硅橡胶

### Two-component Addition Curing Silicone Rubber

#### 使用方法:

- 1.使用前先把A、B两个组份分别搅匀,再按照比例称量,放入另一个容器中(如塑杯或不锈钢桶)搅匀。对于固化慢、粘度较低的品种,可以不抽真空排泡自己消失。反之则最好抽真空排泡。(在容器中放1/4的胶,抽真空时可采用突然放空几次的方法,以更快地脱去气泡)。排泡后即可用于灌注或涂敷,对缝隙细小的元器件,可采用先灌注,再把元器件放入真空装置脱泡的方法。
- 2.A、B两个组份分开保存,其工具也不要混用,以免胶中结块浪费。
- 3.含有氮、硫、磷、锡的有机物会使胶中的催化剂失效,而致固化不良,应避免接触此类物质,或赐电咨询解决方法。
- 4.通过调节A、B两个组份的配比,固化后的胶的硬度可以从很软到很硬。如:A胶100g, B胶50g-150g搅匀(B组份用量越少,则固化后的胶越软;其固化速度也越慢)。
- 5.双组份加成固化硅橡胶的固化速度和可操作时间与它的类型和温度关系密切。

#### Method of application:

- 1.Mix the two components well, then weigh them in proportion and put them into another container; You would better to vacuum bubbles, which is better for usage. After degassing, it can be applied for perfusion or coating.
- 2.Please store the two component separately, and the tools should also not be mixed. So as to avoid lumping waste in the glue.
- 3.Organic compounds containing nitrogen, sulfur, phosphorus, tin will make the catalyst in the glue ineffective, resulting in poor curing. Please avoid contact with these kind substance.
- 4.You can adjust the degree of soft and hard glue by adjusting the radio of the two component.
- 5.Its curing speed and operating time is closely related to its type and temperature.

#### 包装规格:

- 1公斤/套; 2公斤/套; 10公斤/套;  
20公斤/套; 30公斤/套;  
也可订做其他包装

#### Package specification:

- 1kg/set; 2kg/set;  
10kg/set, 20kg/set,  
30kg/set  
Also can be customized

#### 储存及运输:

- ◆ A/B组分需避光、避热、密封保存;
- ◆ 在8~28℃阴凉干燥处贮存, A、B组分的储存期各为1年;
- ◆ 可作为非危险品运输;

#### Storage and transportation:

- ◆ It should be stored in an airtight container, and in a dry and ventilated environment;
- ◆ It could be stored for 6~12 months in a cool and dry place at 8~28℃ environment;
- ◆ It could be transported as non-dangerous goods;



## 加成型导热灌密封胶技术常数

### Addition type thermal conductive potting sealant

| 项目 Project                                  | 型号 Item No | KDW-260                | KDW-270                | KDW-280              | KDW-290              | 检验方法 Test Method     |
|---------------------------------------------|------------|------------------------|------------------------|----------------------|----------------------|----------------------|
| 颜色外观 Color Appearance                       |            | 白色/灰色 (固化后) White/Grey | 白色/灰色 (固化后) White/Grey | 红色/蓝色 (固化后) Red/Blue | 红色/蓝色 (固化后) Red/Blue | 目测 Visual Inspection |
| 密度 g/cm3 Density                            |            | 1.80±0.05              | 2.40±0.05              | 2.95±0.05            | 3.05±0.05            | GB/T 13477.2         |
| 操作时间 min Operation Time                     |            | ≥45                    | ≥45                    | ≥45                  | ≥45                  | 25℃                  |
| 完全固化时间 min Curing Time                      |            | 12~24                  | 12~24                  | 12~24                | 12~24                | 25℃                  |
| 拉伸强度 Mpa Tensile Strength                   |            | ≥1.5                   | ≥1.5                   | ≥2.0                 | ≥2.0                 | GB/T528              |
| 伸长率 % Tensile Elongation                    |            | ≥100                   | ≥80                    | ≥40                  | ≥40                  | GB/T528              |
| 硬度 A Hardness                               |            | 40~50                  | 40~60                  | 40~60                | 40~60                | GB/T531              |
| 介电常数 1MHz Dielectric Constant               |            | ≤7.0                   | ≤7.0                   | ≤7.0                 | ≤7.0                 | GB/T1693             |
| 体积电阻率 Ω·cm Volume Resistivity               |            | ≥1×10 <sup>14</sup>    | ≥1×10 <sup>12</sup>    | ≥1×10 <sup>12</sup>  | ≥1×10 <sup>12</sup>  | GB/T1692             |
| 击穿强度 KV/mm Electrical Breakdown Strength    |            | ≥10.0                  | ≥10.0                  | ≥8.0                 | ≥8.0                 | GB/T1695             |
| 热导系数 W/m·K Thermal conductivity coefficient |            | 1.0                    | 1.5                    | 2.0                  | 2.5                  | GB/T11205            |
| 使用温度 °C Operating Temperature               |            | -40~+200               | -40~+200               | -40~+200             | -40~+200             | -                    |

适用于电子, 电源模块, 高频变压器, 连接器, 传感器及电热零件和电路板等产品的绝缘导热灌封。  
Be suitable for insulation heat conduction sealing of electronic, power module, high frequency transformer, connector, sensor, electric heating parts and circuit board

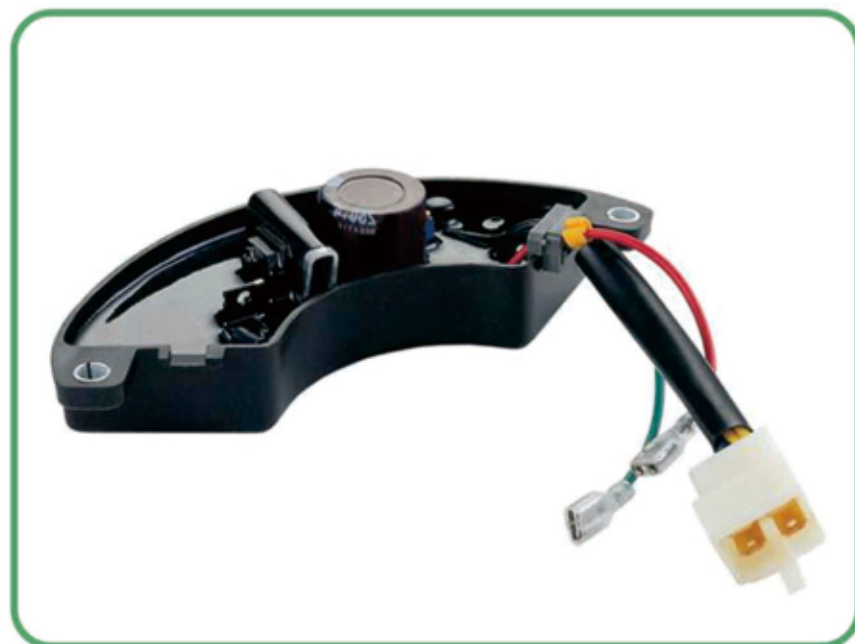


## 加成型导热凝胶技术常数

Addition type thermal conductive gel

| 型号<br>Item No                                  | KDW-247               | KDW-245             | KDW-245             | KDW-248             | KDW-248             | 检验方法<br>Test Method        |
|------------------------------------------------|-----------------------|---------------------|---------------------|---------------------|---------------------|----------------------------|
| 项目Project                                      |                       |                     |                     |                     |                     |                            |
| 颜色外观<br>Color Appearance                       | 黄色<br>(固化后)<br>Yellow | 蓝色<br>(固化后)<br>Blue | 蓝色<br>(固化后)<br>Blue | 蓝色<br>(固化后)<br>Blue | 蓝色<br>(固化后)<br>Blue | 目测<br>Visual<br>Inspection |
| 密度<br>g/cm <sup>3</sup><br>Density             | 2.20±0.05             | 2.90±0.05           | 3.10±0.05           | 3.15±0.05           | 3.20±0.05           | GB/T13477.2                |
| 操作时间<br>min<br>Operation Time                  | ≥120                  | ≥60                 | ≥60                 | ≥60                 | ≥45                 | 25°C                       |
| 完全固化时间<br>min<br>Curing Time                   | 20                    | 10                  | 10                  | 10                  | 10                  | 100°C                      |
| 拉伸强度<br>Mpa<br>Tensile Strength                | 0.1~0.3               | 0.1~0.3             | 0.05~0.1            | 0.05~0.1            | 0.05~0.1            | GB/T528                    |
| 伸长率<br>%<br>Tensile Elongation                 | ≥100                  | ≥100                | ≥100                | ≥100                | ≥100                | GB/T528                    |
| 硬度<br>shore 00<br>Hardness                     | 40~60                 | 40~60               | 40~60               | 40~60               | 40~60               | GB/T531                    |
| 介电常数 1MHz<br>Dielectric Constant               | ≤7.0                  | ≤7.0                | ≤7.0                | ≤7.0                | ≤7.0                | GB/T1693                   |
| 体积电阻率 Ω·cm<br>Volume Resistivity               | ≥1×10 <sup>12</sup>   | ≥1×10 <sup>12</sup> | ≥1×10 <sup>12</sup> | ≥1×10 <sup>12</sup> | ≥1×10 <sup>12</sup> | GB/T1692                   |
| 击穿强度 KV/mm<br>Electrical Breakdown Strength    | ≥10.0                 | ≥8.0                | ≥8.0                | ≥8.0                | ≥8.0                | GB/T1695                   |
| 热导系数 W/m·K<br>Thermal conductivity coefficient | 1.0                   | 2.0                 | 2.5                 | 3.0                 | 3.5                 | GB/T11205                  |
| 使用温度<br>°C<br>Operating Temperature            | -40~+200              | -40~+200            | -40~+200            | -40~+200            | -40~+200            | -                          |

用于集成电路、微机处理器，大功率LED、高速缓存存储器、DC/AC转换器，汽车电子散热密封，动力电池散热减震等。  
Be used for integrated circuit, microcomputer processor, high-power LED, cache memory, DC/AC converter, automotive electronic heat dissipation seal, power battery heat dissipation...



## 单组份加成型硅橡胶

One-component Addition Curing Silicone Rubber

### 产品特性:

单组份加成型硅橡胶系列产品,它是通过加热方式进行加成反应产生交联固化成弹性体。加热温度越高则固化越快,固化时不产生任何低分子有害物质,无任何污染,绝对无毒,深度再大也能彻底固化。可粘接多种材料,如金属、陶瓷、玻璃等。固化后的胶具有粘接力强、自身强度高、耐高温性优异。还具有优良的电气性能,耐老化,耐高低温,防水防潮,对接触的材料不产生腐蚀作用和对周边环境不产生污染,完全符合RoHS 指令及相关环保要求。在各种橡胶产品其固化时线收缩率最低(0.1%),耐温可达-60~+300°C,即使不添加阻燃材料也能阻燃,是近年来发展最快的一类高档硅橡胶。

### Product feature:

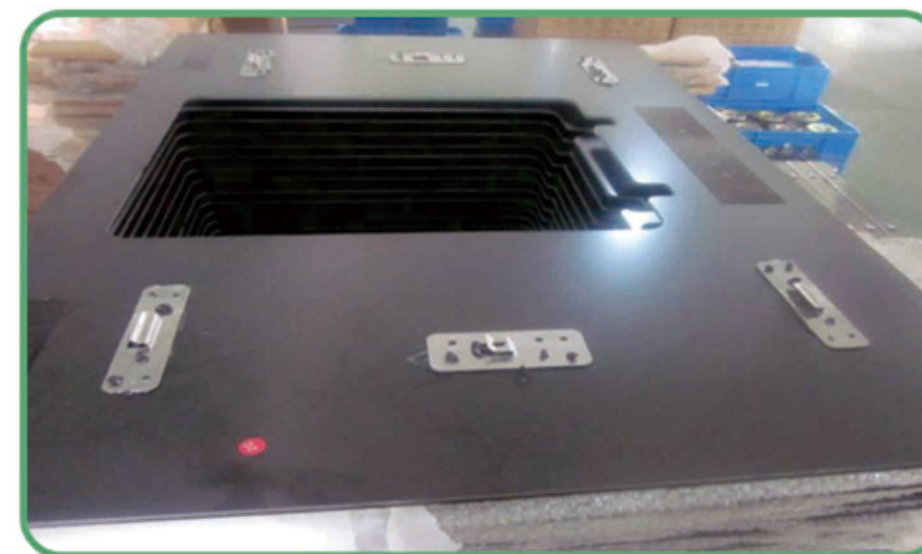
This kind item is formed by crosslinking curing elastomer through heating and addition reaction. The higher the heating temperature, the faster the speed of curing. It does not produce any low molecular harmful substances during the curing process. This kind sealant can be bonded to various material, such as metal, ceramic, glass, etc. The cured adhesive has strong adhesion, high self-strength and excellent high temperature resistance. The cured elastomer has excellent electrical properties, aging resistance, high and low temperature resistance, waterproof and moistureproof, no corrosion to the contact material and no pollution to the surround environment, which meet the requirements of the RoHS..

### 产品用途:

可用作电子电器、仪器仪表元件的粘接,起防潮、防震、绝缘、密封作用。也用于可控硅、半导体三级管,电子元器件、集成电路等需要高纯度、高电气性能等场合的涂敷、保护。

### Product usage:

It could be used for bonding of electronic and electric appliances, instrument and meter component, which can prevent moisture, shock, insulation and seal. And it also widely used in thyristor, semiconductor three-level tube, electronic components, integrated circuits and other occasions requiring high purity, high electrical performance coating, protection.



## 单组份加成型硅橡胶

### One-component Addition Curing Silicone Rubber

#### 使用方法:

**清洁表面:** 为了获得最佳的粘接效果, 应将被粘接基材表面处理清洁和干燥 (灰尘、油污等会影响产品粘接性能)。冷藏储存的产品使用前需提前取出放置室温备用, 务必等到与室温平衡后方可使用。

**施胶:** 涂胶可采用人工或涂胶设备控制作业, 涂覆厚度每次应小于3mm, 等固化后再涂覆第二层; 涂覆或被粘接面施胶后合拢固定, 按规定固化条件固化即可。

**固化:** 将涂装好的元器件用夹具夹紧放入烘箱中加温一段时间, 即可粘合牢固。

**注意事项:** 加成型硅橡胶固化时切勿使胶料与含氮、硫、磷、锡的化合物接触, 否则胶料固化很慢甚至不能固化。为确保检测数据准确性, 固化后产品务必待24小时后检测。

#### Method of application:

**Clean the surface:** For the best bonding effect, the surface of bonded substrate should be clean and kept dry. The refrigerated product should be taken to a placed at room temperature before usage, and can be used only when they are in balance with the room temperature.

**Sizing:** Glue coating can be controlled by manual or glue coating equipment, and the coating thickness should be controlled less than 3mm each time. After curing, the third layer should be coated on it.

**Curing:** The component with good coating can be clamped with a fixture and put into the oven to be heated for a period of time, which will make the adhesive firmer.

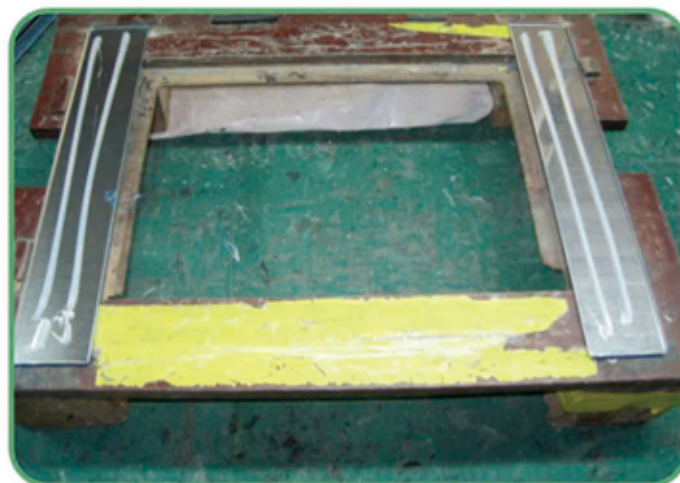
**PS:** Organic compounds containing nitrogen, sulfur, phosphorus, tin will make the catalyst in the glue ineffective, resulting in poor curing. Please avoid contact with these kind substance

#### 包装规格:

100ml/支, 100支/箱;  
300ml/支, 25支/箱;  
330ml/支, 25支/箱;  
2.6L/支, 4支/箱;  
也可订做其它包装

#### Package specification:

100ml/pc, 100pcs/ctn;  
300ml/tube, 25tubes/ctn;  
330ml/tube, 25tubes/ctn;  
2.6l/drum, 4drums/ctn;  
also can be customized.



#### 储存及运输:

- ◆ 需在密封的容器中避光、避热、通风干燥的环境下保存;
- ◆ 可作为非危险品运输;
- ◆ 储存期为6个月 (5℃); 3个月 (10℃);

#### Storage and transportation:

- ◆ It should be stored in an airtight container, and in a dry and ventilated environment;
- ◆ It could be stored for 6 months under 5℃ environment, and can be stored for 3 months under 10℃ environment.
- ◆ It could be transported as non-dangerous goods;

## 加成型单组份硅橡胶技术常数

### Addition type one-component silicone rubber

| 项目 Project                                  | 型号 Item No | KDW-2119            | KDW-2255            | KDW-2159                | KDW-2169            | KDW-2189            | 检验方法 Test Method     |
|---------------------------------------------|------------|---------------------|---------------------|-------------------------|---------------------|---------------------|----------------------|
| 颜色外观 Color Appearance                       |            | 半透明色 Translucent    | 灰色 Grey             | 白/黑/灰色 White/black/grey | 白色/灰色 White/Grey    | 白色/灰色 White/Grey    | 目测 Visual Inspection |
| 密度 g/cm <sup>3</sup> Density                |            | 1.05±0.05           | 1.65±0.05           | 1.45±0.05               | 2.40±0.05           | 1.70±0.05           | GB/T13477.21         |
| 固化时间 min Curing Time                        |            | 15                  | 30                  | 15                      | 10                  | 15                  | 50℃                  |
| 拉伸强度 Mpa Tensile Strength                   |            | ≥2.0                | ≥3.0                | ≥2.0                    | ≥2.0                | ≥3.0                | GB/T528              |
| 伸长率 % Tensile Elongation                    |            | ≥150                | ≥100                | ≥100                    | ≥80                 | ≥80                 | GB/T528              |
| 邵氏硬度 A Shore Hardness                       |            | 30~40               | 45~55               | 35~45                   | 40~60               | 40~60               | GB/T531              |
| 介电常数 Dielectric Constant                    |            | ≤3.0                | ≤5.0                | ≤5.0                    | ≤7.0                | ≤5.0                | GB/T1693             |
| 体积电阻率 Ω·cm Volume Resistivity               |            | ≥1×10 <sup>15</sup> | ≥1×10 <sup>14</sup> | ≥1×10 <sup>14</sup>     | ≥1×10 <sup>12</sup> | ≥1×10 <sup>14</sup> | GB/T1692             |
| 击穿强度 KV/mm Elecrtical Breakdown Strength    |            | ≥20                 | ≥15                 | ≥20                     | ≥10                 | ≥15                 | GB/T1695             |
| 热导系数 W/m·K Thermal conductivity coefficient |            | -                   | 0.5                 | 0.4                     | 2.0                 | 0.6                 | GB/T11205            |
| 使用温度 °C Operating Temperature               |            | -60~+200            | -40~+280            | -40~+200                | -40~+200            | -40~+200            | -                    |

适用于电子电器, 电加热器的粘接密封。

Be widely used for sealing and bonding of electronic appliances.



## 导热硅脂 Silicone grease

### 产品特性及用途:

导热硅脂是一种导热绝缘有机硅材料,几乎永远不固化,可在-50℃—+200℃的温度下长期保持使用时的脂膏状态。既具有优异的电绝缘性,又有优异的导热性,同时具有低油离度,耐高低温、耐水、耐臭氧、耐气候老化。它可广泛涂覆于各种电子产品,电器设备中的发热体(功率管、可控硅、电热堆等)与散热设施(散热片、散热条、壳体等)之间的接触面,起传热媒介作用和防潮、防尘、防腐、防震等性能。适用于微波通讯、微波传输设备、微波专用电源、稳压电源等各种微波器件的表面涂覆或整体灌封,此类硅材料对产生热的电子元件,提供了极佳的导热效果。如:晶体管、CPU组装、热敏电阻、温度传感器、汽车电子零部件、汽车冰箱、电源模块、打印机等。

### Product feature:

This item is one kind of heat-conducting insulating silicone material, which never solidifies and can be kept in the state of grease when used at the temperature of -50℃~+200℃ for long term. With excellent electrical insulation, thermal conductivity, as well as low oil separation, high and low temperature resistance, water resistance, ozone resistance, climate resistance to aging. It is widely applied to the contact surface between the heating element and the heat dissipation facility in various electronic products and equipment. It plays the role of heat transfer medium and owns the function of moisture-proof, dust-proof, corrosion-proof and shock-proof. It is suitable for surface coating or overall sealing of various microwave devices, such as microwave communication equipment, microwave transmission equipment, microwave special power supply, etc. This silicone material provides excellent thermal conductivity for electrical component which generate heat.

### 使用方法:

1.将被涂覆表面擦(洗)干净至无杂质;可用刮刀、刷子、玻璃棒或注射器直接涂布或装填。

2.在使用过程中,有时会夹带少量空气,可通过静置、加压或真空排泡。

◆ 注意事项:如用户自行用硅油稀释,不仅易产生分油现象,还会使导热系数变小。

所以,建议客户首先选择好适合自己的型号,以保证产品的使用质量。



### Method of application:

1. Wipe the coated surface until it is free of impurities, then it could be applied or filled directly with spatula, brush, glass rod or syringe;

2. There may be small amount of air during the process of usage, it could be discharged by standing, pressurizing or vacuum.

### 包装规格:

1公斤/塑料桶, 10桶/箱; 10公斤/塑料桶;

### Package specification:

1kg/drum, 10drums/ctn; 10kgs/drum

## 导热硅脂 Silicone grease

### 储存及运输:

- ◆ 需在避光、避热、通风干燥的环境下保存;
- ◆ 在常温下贮存,贮存期为12个月;
- ◆ 可作为非危险品运输;



### Storage and transportation:

- ◆ It should be stored in an airtight container, and in a dry and ventilated environment;
- ◆ It could be stored for 12 months under the room temperature
- ◆ It could be transported as non-dangerous goods;

## 导热硅脂技术常数

### Thermal Conductive Silicone Grease

| 项目Project                                 | 型号Item No | KDW-606         | KDW-608   | KDW-730   | KDW-740   | KDW-750   | 检验方法Test Method     |
|-------------------------------------------|-----------|-----------------|-----------|-----------|-----------|-----------|---------------------|
| 颜色外观Color Appearance                      | 白色White   | 白色/灰色White/Grey | 灰色Grey    | 灰色Grey    | 灰色Grey    | 灰色Grey    | 目测Visual Inspection |
| 密度g/cm <sup>3</sup> Density               |           | 2.20±0.05       | 2.60±0.05 | 2.70±0.05 | 2.85±0.05 | 2.95±0.05 | GB/T 13477.2        |
| 针入度1/10mm工作前Need Penetration              |           | 240~260         | 240~260   | 240~260   | 240~260   | 240~260   | GB/T 4509           |
| 油离度Bleed %                                |           | ≤0.05           | ≤0.05     | ≤0.05     | ≤0.05     | ≤0.05     | HG/T 2502-93: 5201  |
| 挥发份Volatle Matter %                       |           | ≤0.5            | ≤0.5      | ≤0.5      | ≤0.5      | ≤0.5      | 150℃, 24h           |
| 介电常数(50Hz)Dielectric Constant             |           | 4.5~5.0         | 5.0~6.0   | 5.0~6.0   | 7.0~8.0   | 7.0~8.0   | GB/T 1693           |
| 体积电阻率Ω·cmVolume Resistivity               |           | ≥1×10           | ≥1×10     | ≥1×10     | ≥1×10     | ≥1×10     | GB/T 1692           |
| 击穿强度KV/mmElectrical Breakdown Strength    |           | ≥6.0            | ≥6.0      | ≥6.0      | ≥4.0      | ≥4.0      | GB/T 1695           |
| 热导系数W/m·KThermal conductivity coefficient |           | 1.0             | 2.0       | 3.0       | 4.0       | 5.0       | GB/T 11205          |
| 使用温度℃Operating Temperature                |           | -40~+200        | -40~+200  | -40~+200  | -40~+200  | -40~+200  | -                   |

它可广泛涂覆于各种电子产品,电器设备中的发热体(功率管、可控硅、电热堆等)与散热设施(散热片、散热条、壳体等)之间的接触面,起传热媒介作用和防潮、防尘、防腐、防震等性能。

It could be widely applied to the contact surface between the heating element (power tube, silicone controlled, electric heating stack, etc) and the heat dissipation facility (radiator fin, heat dissipation strip, shell, etc.) in various electronic products and electrical equipment. And it plays the role of heat transfer medium and has the functions of moisture-proof, dust-proof, corrosion-proof and shock-proof.

## 研发中心 Research Centre

工程技术中心使用面积约为1600m<sup>2</sup>,现有平面法导热仪、高压漏电起痕试验仪、进口气象色谱仪等仪器设备30台(套),工程技术中心现有专业技术人员20名,其中研发人员12名,在这些技术骨干中,绝大多数为25-40岁的青年人,生机勃勃,精力充足充满创新精神和创造力。同时本公司与南京大学进行产学研合作,是南京大学化学化工学院成果转化基地,南京大学的专家教授常年对本公司研发工作开展技术指导,公司研发中心积累了大量丰富的、先进的设计手段和理念,同时研发出的产品基本达到了国内先进水平完全可以替代国外进口产品。

Engineering technology center usable area is about 1600m<sup>2</sup>. There are plane method heat conduction instrument, the high voltage leakage and the mark test instrument, the import weather chromatograph and so on totally instrument equipment 30 sets. The Engineering and Technology Center has 20 professional technicians, of whom 12 are developers. Among the technicians, most of them are young people aged 25 to 40 who are energetic and full of innovation and creativity. At the same time, the company and Nanjing University to carry out research and industry cooperation, is achievement transformation base of Nanjing University chemical industry institute. The expert professor of Nanjing University provides technical guidance to the company's Research and development work all the year round. The Research and development center of the company has accumulated a large number of advanced design methods and concepts. At the same time, the developed products basically reached the domestic advanced level can completely replace foreign imports.



## 康达威胶粘剂工程技术研究中心 Adhesive Engineering Technology Center

