



We Love Chemistry



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Polymer Flame Retardant Expert

www.mwchemical.com

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Company Profile

Mei Wang Chemical is an enterprise dedicated to R&D, production and sales in eco-friendly flame retardants. We produce cost-effective and high performance flame retardants for various industries, such as polymers, coating, textiles, etc.

We have been providing our flame retardant for over 50 countries and regions globally, and our products are widely applied in automotive parts, home appliance, cable & wire, electronics, construction and building, etc.

Our strong R & D, professional technical service and rich application experience will contribute to making our partners and customers more competitive in the market.

Professionalism, Reliability, Concentration define our business principle, meanwhile the constant innovation makes us to be the world's leading flame retardant solution provider.

Product Range	Halogen free flame retardant Flame retardant masterbatch
Production Lines	9 lines of flame retardant 4 lines of flame retardant masterbatch
Capacity	Flame retardants: 30,000 tons Flame retardant masterbatch: 20.000tons
R&D Team Background	PHD (3) Master degree researchers (4) Senior engineers (12) Engineers (28)
Production Size	31,248m ²
Current Employee	130+
Foundation Year	2009



CATALOGUE

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Quality Assurance

Full range of laboratories and advanced R & D testing equipments are the guarantee of Mei Wang's innovation and fast development.

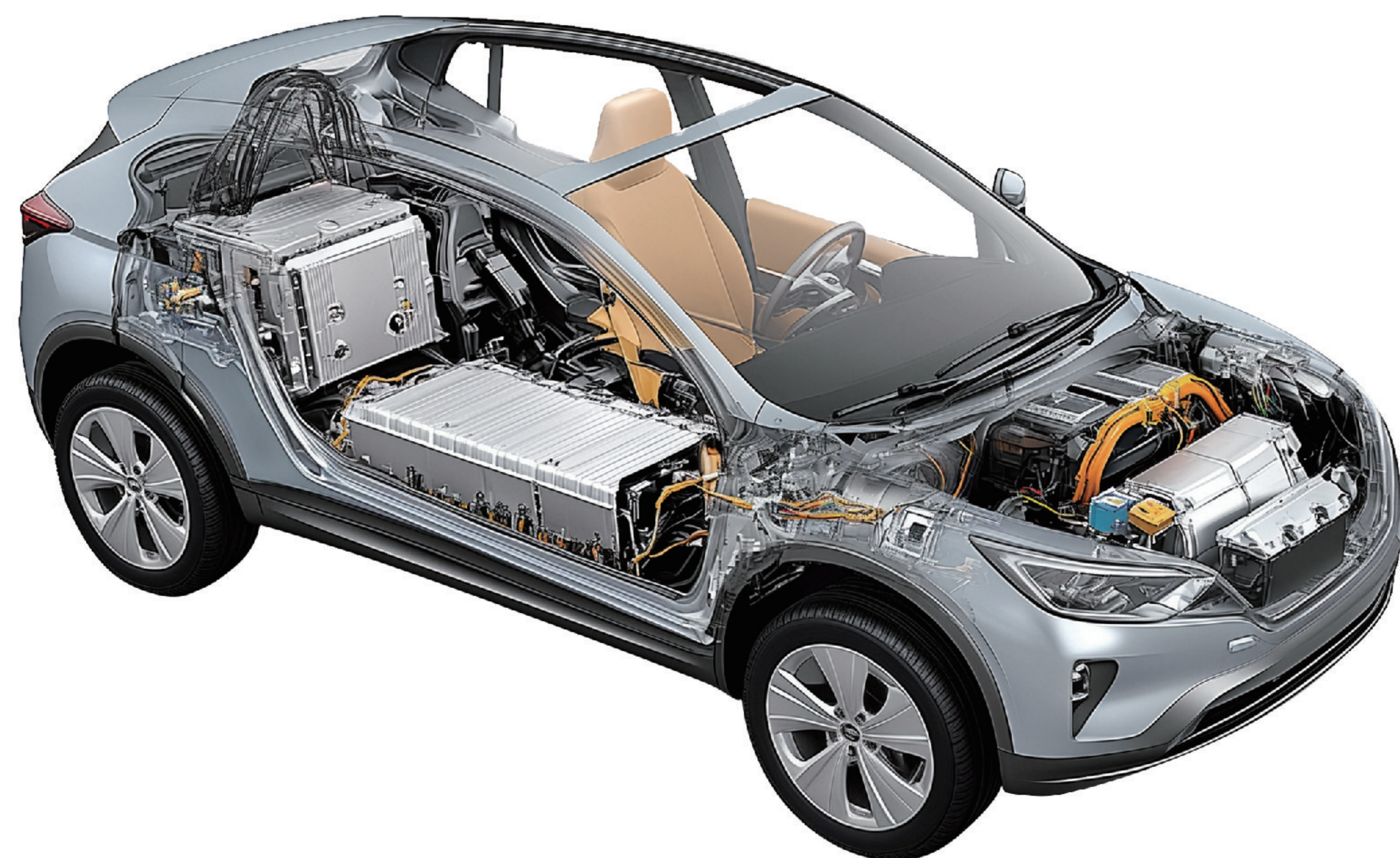
We have four core labs for mechanical property test, Environmental test, Physicochemical test, Flame retardant and electrical properties test.

- Certifications and Qualifications:
- ISO 9001 Quality Management System
- ISO 14001 Environmental Management System
- ISO 45001 Occupational Health And Safety
- IATF 16949:2016
- REACH Registration
- RoHS, SVHC Compliant



Halogen free flame retardant For Polyolefin

Product	CAS No.	Feature
Mflam AP230	68333-79-9	Pure powder of Ammonium Polyphosphate for PP, pass UL94 V0.
Mflam TC100	68333-79-9	Ammonium Polyphosphate base, used for PP, PE, pass UL94 V0.
Mflam 1420	66034-17-1	Piperazine pyrophosphate base, used for GF-PP, PE, pass UL94 V0, with good water resistance.
Mflam 1430	66034-17-1	Piperazine pyrophosphate base, used for GF-PP, PE, pass UL94 V0, with good water resistance.
Mflam 1520	66034-17-1	Piperazine pyrophosphate base, used for GF-PP, PE, pass UL94 V0, with good water resistance and higher thermal stability, better anti-aging performance
Mflam 1530	66034-17-1	Piperazine pyrophosphate base, used for GF-PP, PE, pass UL94 V0, with good water resistance and higher thermal stability, better anti-aging performance
Mflam AMH-01S	7784-22-7	Aluminum hypophosphite base, eco-friendly high efficient flame retardant for PP only, dosage around 1-5% pass UL94 V2.



Halogen free flame retardant for PA6, PA66, PBT

Product	CAS No.	Feature
Mflam ADP	225789-38-8	Pure powder of Aluminum Diethyl Phosphinate.
Mflam FR-35	225789-38-8	Fine Aluminum Diethyl Phosphinate, with particle size: D50 (μm)<3.
Mflam LX-15	225789-38-8	ADP base, used for glass fiber reinforced PA6, PA66, cost-effective. Dosage 16-18% pass UL94 V0, 1.6mm.
Mflam FR-13	225789-38-8	ADP base, used for both glass fiber reinforced and unfilled PA6, PA66. Dosage 14-16% pass UL94 V0, 1.6mm in glass fiber reinforced PA6, PA66.
Mflam HC-16	225789-38-8	ADP base, used for both glass fiber reinforced and unfilled PA6, PA66, PBT. Dosage 14-16% pass UL94 V0, 1.6mm in glass fiber reinforced PA6, PA66. 18-22% pass UL94 V0, 1.6mm in PBT.
Mflam FR-14	225789-38-8	ADP base, used for both glass fiber reinforced and unfilled PA6, PA66. Dosage 14-16% pass UL94 V0, 1.6mm in glass fiber reinforced PA6, PA66. Melamine free.
Mflam RP 601	7723-14-0	Red phosphorus Masterbatch for PA6, PA66, PBT, phosphorus content ≥60%.
Mflam RP 705	7723-14-0	Red phosphorus Masterbatch for PA6, PA66, PBT, phosphorus content ≥70%.
Mflam MCA	37640-57-6	Melamine Cyanurate for pure PA6/PA66.
Mflam MPP	218768-84-4	Melamine Polyphosphate, usually used as synergist for glass fiber reinforced PA6, PA66, PBT etc.
Mflam MPyP	15541-60-3	Melamine Pyrophosphate

Full range of MCA grades

Product	CAS No.	Feature
Mflam MCA8	37640-57-6	Melamine Cyanurate powder. For pure PA6, PA66, dosage 10-15% pass UL94 V0.
Mflam MCA15	37640-57-6	Melamine Cyanurate powder. For pure PA6, PA66, dosage 10-15% pass UL94 V0.
Mflam MCA25	37640-57-6	Melamine Cyanurate powder. For pure PA6, PA66, dosage 10-15% pass UL94 V0.
Mflam MCA50	37640-57-6	Melamine Cyanurate powder. For pure PA6, PA66, dosage 10-15% pass UL94 V0.
Mflam MCA151	37640-57-6	Surface treated special Melamine Cyanurate powder, with perfect surface appearance.
Mflam MC-2	37640-57-6	100% physical compacted Melamine Cyanurate pellet, without any carrier or adhesive. For pure PA6, PA66, dosage 10-15% pass UL94 V0.
Mflam MB MC	37640-57-6	Melamine Cyanurate masterbatch, with active content 50%. For pure PA6, PA66, pass UL94 V0.



Halogen free flame retardant for PC, PC/ABS blends, mPPO(PPO+HIPS etc)

Product	CAS No.	Feature
Mflam BDP	181028-79-5/ 5945-33-5	Halogen free phosphate ester for PC/ABS blends, mPPO(PPO+HIPS).
Mflam RDP	57583-54-7	Halogen free phosphate ester for PC/ABS blends, mPPO (PPO+HIPS).
Mflam PX-220	51732-57- 1	White pellet, halogen free flame retardant for PC/ABS blends, PC, mPPO(PPO+HIPS).
Mflam PX-200	139189-30-3	White pellet, halogen free flame retardant for PC, PC/ABS blends, TPP free.
Mflam TPP	115-86-6	White pellet, Halogen free flame retardant for PC/ABS blends.



Halogen free flame retardant for TPU

Product	CAS No.	Feature
Mflam 1400	7784-22-7	Aluminum hypophosphite especially for polyester based TPU.
Mflam 140B	225789-38-8	Aluminum Diethyl Phosphinate especially for polyether based TPU.
Mflam 140N	225789-38-8	Aluminum Diethyl Phosphinate especially for polyether based TPU, better water resistance.
Mflam CDP	26444-49-5	Cresy diphenyl phosphate for TPU.

Halogen free flame retardant for elastomer, TPE, PE jacket

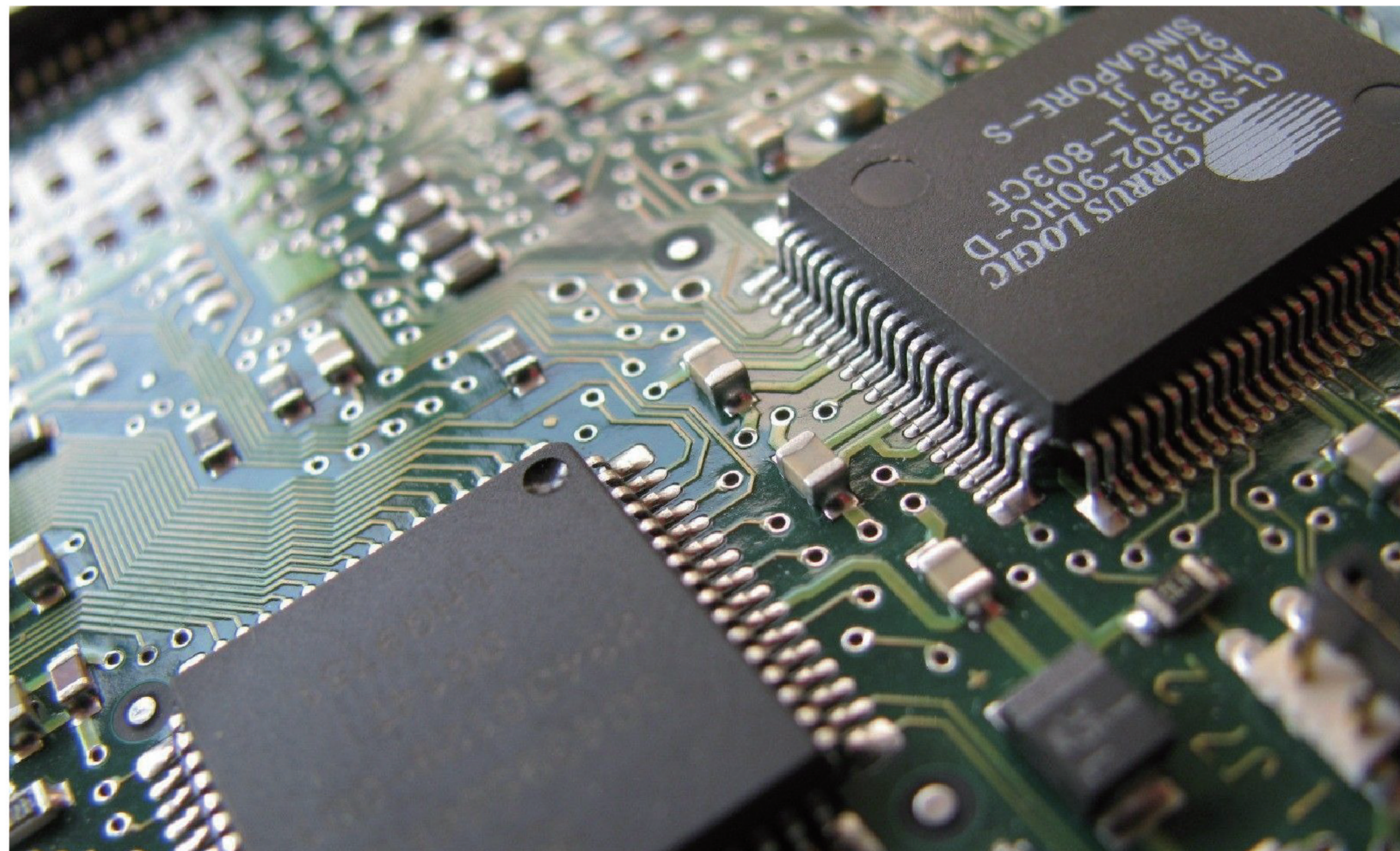
Product	CAS No.	Feature
Mflam TC100XL	68333-79-9	Non halogen FR for polyolefin based elastomer, including TPV, TPE, TPO, etc.
Mflam 1420XL	66034-17- 1	Non halogen FR for polyolefin based elastomer, including TPV, TPE, TPO, etc, water resistance.
Mflam 1920	225789-38-8	Perfect Non halogen FR for elastomer, excellent water resistance.
Mflam MCA151	37640-57-6	Surface treated special Melamine Cyanurate for TPE, with perfect wire surface performance.
Mflam ADP	225789-38-8	Pure powder of Aluminum Diethyl Phosphinate.
Mflam RP 905	7723-14-0	Red phosphorus Masterbatch to be used in different kinds of elastomer TPE, as well as in PE jacket, high efficient, phosphorus content≥70%.
Mflam RP 805	7723-14-0	Red phosphorus Masterbatch to be used in different kinds of elastomer TPE, as well as in PE jacket, economic grade, phosphorus content≥50%.

Flame retardant for PU foam

Product	CAS No.	Feature
Mflam TCPP	13674-84-5	Phosphate ester for PU foam.
Mflam TEP	78-40-0	Halogen free phosphate ester for PU foam.
Mflam HF606	Mixture	Halogen free phosphate ester for flexible PU foam.
Mflam FRC-6	2781-11-5	Halogen free FR for rigid PU foam.

Halogen free flame retardant for Epoxy Composite & Unsaturated Polyester

Product	CAS No.	Feature
Mflam DOPO	35948-25-5	DOPO flame retardant used for electrical materials, special functional polymers, epoxy resins, luminescent materials, modified materials, etc.
Mflam DOPO-HQ	99208-50-1	DOPO-HQ flame retardant used for high requirements of electrical materials, special functional polymers, epoxy resins, luminescent materials, modified materials, etc.
Mflam EC-20	99208-50-1	DOPO-HQ based flame retardant suitable for epoxy composite in Prepreg, Potting adhesive;
Mflam EC-21	68333-79-9	Ammonium polyphosphate based flame retardant suitable for epoxy composite in Prepreg, Potting adhesive;
Mflam EC-19	225789-38-8	Aluminum Diethyl Phosphinate based flame retardant suitable for glass fiber epoxy composite.
Mflam FRT-20	37640-57-6	Melamine Cyanurate based flame retardant suitable for glass fiber epoxy composite.
Mflam FRT-22	99208-50-1	DOPO-HQ based flame retardant suitable for glass fiber epoxy composite.
Mflam F112	68333-79-9	Ammonium polyphosphate based flame retardant suitable for Unsaturated Polyester.



Brominated Flame Retardant for Polymer

Product	Equivalent to	CAS No.	Application
Mflam DBDE	Saytex 8010, FR-1410	84852-53-9	Decabromodiphenyl Ethane. ABS, HIPS, PA, TPE, PC, PP, PE, SI, EPDM, EP, PF.
Mflam BDDP	HP-800	21850-44-2	TetraBromoBisphenol A(2,3-Dibromopropyl)ether. PP, HIPS, ABS.
Mflam 130	FR-130	97416-84-7	Tetrabromobisphenol A dual(2,3-dibromo-2-methyl propyl)ether. EPS, XPS, Replace of HBCD.
Mflam TBBA	CP 2000	79-94-7	Terabromobisphenol A. ABS, HIPS, PC, EP, UP, PF.
Mflam TBBPA	-	25327-89-3	Tetrabromobisphenol Abis (allyl ether). EPS, XPS.
Mflam BPS-7	HP7010	88497-56-7	Brominated polystyrene. PA, PET, PBT.
Mflam BPS-3	HP3010	88497-56-7	Brominated polystyrene. PA, PET, PBT.
Mflam BT-93W	Saytex BT-93W	32588-76-4	Ethylene bis(tetrabromophthalimide). ABS, HIPS, TPE, PC, PP, PE, SI, EPDM, EP, PF.
Mflam FR-245	FR-245	25713-60-4	Tri(tribromophenyl)cyanurate. ABS, HIPS.
Mflam 370	FR-370	19186-97-1	Tris(tribromoneopentyl)Phosphate. PP, HIPS, ABS, XPS, Alloys, Adhesives.
Mflam BC-58	BC-58	71342-77-3	Tribromophenyl-terminatedtetrabromobisphenol-A carbonate oligomer PBT, PET, PBT/PET blends, PC, ABS, ABS/PC blends, Polysulfone and SAN.
Mflam BC-52	BC-52	94334-64-2	Phenoxy-Terminated Carbonate Oligomer of Tetrabromobisphenol A. PBT, PET, PBT/PET blends, PC, ABS, ABS/PCblends, Polysulfone and SAN
Mflam BE	-	68928-70-1	Brominated Epoxy Oligomer. Thermoplastic polyesters PBT, PET, etc.
Mflam ATO	-	1309-64-4	Antimony Trioxide. PVC, PP, PE, PS, ABS, PU, etc.

Halogen free Flame Retardant Masterbatch For Polymer Industry

Product	Concentration	Application	Feature
Mflam MB 100	70%	PP, PE	Halogen free flame retardant masterbatch suitable for polyolefins, including PP, PE, etc.
Mflam MB 1420	70%	PP, PE	Halogen free flame retardant masterbatch suitable for polyolefins, including PP, PE, etc, especially to glass fiber reinforced PP.
Mflam MB 1430	70%	PP, PE	Halogen free flame retardant masterbatch suitable for polyolefins, including PP, PE, etc, especially to glass fiber reinforced PP.
Mflam MB 1520	70%	PP, PE	Halogen free flame retardant masterbatch suitable for polyolefins, including PP, PE, etc, especially to glass fiber reinforced PP.
Mflam MB AMH-01S	40%	PP	Ecofriendly flame retardant masterbatch suitable for polypropylene, 2% dosage to pass UL94-V2.
Mflam MB MC	50%	PA6	Halogen free flame retardant masterbatch suitable for polyamide, especially for PA6, PA66, with perfect dispersion to get V0 stably.
Mflam MB ADP	65%	PA6	ADP based masterbatch suitable for polyamide, especially for PA6, PA66, with perfect dispersion to get V0 stably.
Mflam MB ADP 95	95%	PA, PBT	ADP+MPP based masterbatch suitable for polyamide, especially for PA6, PA66, with perfect dispersion to get V0 stably, without carrier.
Mflam MB ADP 96	96%	PA, PBT	ADP+WL based masterbatch suitable for polyamide, especially for PA6, PA66, with perfect dispersion to get V0 stably, no imigration, without carrier.
Mflam MB FR-13	70%	PA6	Halogen free flame retardant masterbatch suitable for polyamide, especially for PA6, PA66, with perfect dispersion to get V0 stably.
Mflam MB FR-14	65%	PA6	Halogen free flame retardant masterbatch suitable for polyamide, especially for PA6, PA66, with perfect dispersion to get V0 stably.
Mflam RP 601	60%	PA, PBT	Red phosphorus masterbatch, to be used in PA, PBT, PP, etc.
Mflam RP 705	75%	PA, PBT	Red phosphorus masterbatch, to be used in PA, PBT, PP, etc, higher grade and more efficient.
Mflam RP 905	75%	TPE	Red phosphorus masterbatch, to be used in different kinds of TPE, with good surface and efficient anti-flammability.

The carrier and concentration of all above masterbatch products can be customized according to customer's requirements

Halogenated Flame Retardant Masterbatch For Polymer Industry

Product	Concentration	Carrier	Application
Mflam MB DBDE-PE90	DBDE, 90%	PE	PP, PE, etc
Mflam MB DBDE-PP80	DBDE, 80%	PP	PP
Mflam MB DBDE-EVA90	DBDE, 90%	EVA	PP, PE,etc
Mflam MB ATO-PE90	ATO, 90%	PE	All polymer
Mflam MB ATO-EVA90	ATO, 90%	EVA	All polymer
Mflam MB ATO-PP85	ATO, 85%	PP	All polymer
Mflam MB ATO-PA80	ATO, 80%,	PA	All polymer
Mflam MB BT-PE90	DBDE+ATO, 90%	PE	PP, PE, etc
Mflam MB BT-PP87	DBDE+ATO, 87%	PP	PP
Mflam MB BT-PA80	DBDE+ATO, 80%	PA	PA, PBT
Mflam MB ABS-02	DBDE+ATO, 85%	ABS	ABS
Mflam MB 103EM	DBDE+ATO, 78%	PE	PE Threaded pipe
Mflam MB 103EL	DBDE+ATO, 80%	PE	PE film
Mflam MB 103EP	DBDE+ATO, 78%	PE	PE fiber
Mflam MB 130	130, 50%	PS	XPS