

宝旭化工

Baoxu Chemical

塑料助剂

Plastic Additive Brochure



东莞市宝旭化工科技有限公司

Dongguan Baoxu Chemical Technology Ltd

Table of Content [\(click on name to jump\)](#)

Anti blocking agent	3
Anti dripping agent	3
Antistatic agent	3
Antioxidant	4
Compatibilizer	5
Impact modifier	5
UV Stabilizer	6
Flame retardant	7
Laser marking additive	8
Light diffusion agent	8
Lubricant	9
PPA	9
Silicon masterbatch	9
Slip agent	10
Nucleating Agent	10

Anti blocking agent

Anti blocking agents act to reduce the CoF between film layers and are therefore essential additives in the production of plastic LDPE and other films. They can be broadly separated into amide and silica types, and they are often used synergistically.

Item name	Type	Average particle size D50/um	Equivalent to
BX silicone K45	Silica	4.0-4.5	Sylobloc 45, SPHERILEX 30
BX silicone K70	Silica	6.5-7.5	SPHERILEX 60

Anti dripping agent

Anti dripping agents (ADA) are effective auxiliary flame retardants against dripping during burning of plastics and polymers. It prevents burning plastic from dripping off and thus meet the requirements of UL 94. Anti dripping agent is a kind of polymer with a coating on the surface of PTFE particles.

Grade	PTFE (wt%)	Encapsulated polymer	Bulk density	Application
BX ADA 200	50	/	0.75±0.15	PC, PC/ABS Alloy, Nylon
BX ADA 201	50	SAN	0.4±0.05	
BX ADA 202	50	MS	0.4±0.05	

Antistatic agent

Item name	Description	Form	Compare as
BX ATA 129	Glyceride	white powder	Atmer 129
BX ATA 163	Ethylamine oxide	liquid	Atmer 163
BX ATA 1800	Ethoxylated amine	white solid	Armostat 1800
BX ATA 300	Ethoxylated amine	yellow paste	Armostat 300
BX ATA 600	Ethoxylated amine	white solid	Armostat 600
BX ATA 93	Sodium alkyl sulfate	light yellow pellets	HOSTAPUR SAS 93

Antioxidant (please click on category & item name to jump to web page.)

Type Item	Name	CAS No.	MR °C	Form	Compare As	Application
Amine	BX AO 042	143925-92-2	> 90	White Powder	Irgastab FS 042	PP fiber, TPO
	BX AO 445	10081-67-1	> 98.5	White Powder	Naugard 445	Rubber
	BX AO 5057	68411-46-1	/	Yellow Liquid	Irganox 5057	PU
Phenolic	BX AO 1010	6683-19-8	110-125	White Powder	Irganox 1010	General application
	BX AO 1024	32687-78-8	221-232	White Powder	Irganox 1024	Wire & cable
	BX AO 1035	41484-35-9	63-68	White Powder	Irganox 1035	Wire & cable
	BX AO 1076	2082-79-3	50-55	White Powder	Irganox 1076	General application
	BX AO 1098	23128-74-7	155-161	White Powder	Irganox 1098	PA
	BX AO 1135	125643-61-0	/	Light Yellow Liquid	Irganox 1135	PU
	BX AO 1520	110553-27-0	/		Irganox 1520	Rubber
	BX AO 1790	40601-76-1	159-163	White Powder	Songnox 1790	Spandex
	BX AO 245	36443-68-2	77-81	Powder/Liquid	Irganox 245	Styrenics
	BX AO 3114	27676-62-6	218-223	White Powder	Irganox 3114	PP
	BX AO 300	96-69-5	158-164	White Powder	Lowinox TBM 6	Wire & Cable
	BX AO 330	1709-70-2	240-245	White Powder	Irganox 1330	PPR
	BX AO 565	991-84-4	94.5-96.5	White Powder	Irganox 565	Rubber
	BX AO 697	70331-94-1	174-180	White Powder	Irganox MD 697	Wire & Cable
	BX AO 702	118-82-1	154~159	White Powder	Ethanox 702	Oil
	BX AO BHT	128-37-0	> 69	White Powder	Vulkanox BHT	Rubber
	BX AO CPL	68610-51-5	> 115	Powder/Liquid	Lowinox CPL	Latex/spandex
Phosphite	BX AO 168	31570-04-4	183.5-185.6	White Powder	Irgafos 168	General application
	BX AO 619	3806-34-6	37-46	White Flake	Weston 619F	ABS
	BX AO 626	26741-53-7	170-180	White Powder	Ultranox 626	Engineerings
	BX AO 9228	154862-43-8	225-245	White Powder	Doverphos 9228	Engineerings
Thioester	BX AO 412s	29598-76-3	48-54	White Powder	Lowinox 412s	Engineerings
	BX AO DLTP	123-28-4	39.5-42.5	White Powder	Irganox PS 800	Wire & Cable
	BX AO DSTP	693-36-7	63.5-68.5	White Powder	Irganox PS 802	Wire & Cable
Blends	BX AO 225	/	/	White Powder	Irganox B 225	General application
	BX AO 215	/	/	White Powder	Irganox B 215	General application
	BX AO B900	/	/	White Powder	Irganox B 900	General application

Compatibilizer

Compatibilizers are additives, that when added to a blend of immiscible materials during extrusion, modifies their interfacial properties and stabilizes the melt blend. Immiscible blends may be mixtures of two or more dissimilar polymers or mixtures of polymer (s) and organic or inorganic components.

Grafted MAH Type	Item name	Application
PP	BX CA PP B1	PP
ABS	BX CA ABS	ABS AS
PE	BX CA PE1	PE
EPDM	BX CA EPDM	PA
POE	BX CA POE	PA
SEBS	BX CA SEBS	PP PE TPE
PPO	BX CA PPO	PA PPO
GMA POE	BX CA POEG	PBT PET

Impact modifier

Impact Modifiers provide strength and break resistance to the product for which they are added. They also provide rigidity to the product to prevent it from wrapping or sagging during everyday use.

Type	Item name	kaneka	Dow	Mitsu	Application	Dosage
Acrylic	BX IM 750	B564	KM 1		Opaque PVC	4-5
	BX IM 81	PA 20/B513			Transparent PVC	4-5
MBS	BX IM 156	B622	BTA 707/717		Transparent PVC	4-8
	BX IM 126	B564	BTA 736		Opaque PVC	4-8
MBS	BX IM 225	M711/732	EXL 2690		PC、 PC Alloys	3-10
	BX IM 227	M722	EXL 2616		PC、 PC Alloys	1-3
Acrylic	BX IM 365	M577	EXL 2388		PC、 PC/ABS	3-5
Silicone	BX IM 330			S2501	PC、 PC Alloys	3-5
	BX IM 331			S2100	PC、 PC Alloys	3-5
	BX IM 334			S2030	PC、 PC Alloys	3-5
	BX IM 335			S2130	PC、 PC Alloys	3-5
ASA	BX IM 960				ASA	3-5

UV Stabilizer (please click on category & item name to jump to web page.)

Type	Name	CAS No.	MR °C	Physical Form	Compare As	Application
BZP	BX UV 531	1843-05-6	47-49	Pale yellow powder	Chimassorb 81	PVC/Coatings
Benzotriazole	BX UV P	2440-22-4	128-132	Pale yellow powder	Tinuvin P	PVC/ABS
	BX UV 234	70321-86-7	139-141	White powder	Tinuvin 234	Engineerings
	BX UV 1130	104810-48-2	/	Yellow liquid	Tinuvin 1130	Coatings
	BX UV 326	3896/11/5	> 138	Pale yellow powder	Tinuvin 326	General application
	BX UV 327	3864-99-1	151	Pale yellow powder	Tinuvin 327	General application
	BX UV 328	25973-55-1	> 138	Pale yellow powder	Tinuvin 328	General application
	BX UV 329	3147-75-9	101-106	White powder	Tinuvin 329	General application
	BX UV 360	103597-45-1	194-198	Pale yellow powder	Tinuvin 360	Engineerings
	BX UV 384-2	127519-17-9	/	Pale yellow liquid	Tinuvin 384-2	HP coatings
	BX UV 928	73936-91-1	108-110	Pale yellow powder	Tinuvin 928	HP coatings
Triazine and other	BX UV B75	/	/	Yellow liquid	Tinuvin B75	PU
	BX UV 1164	2725-22-6	89-91	Pale yellow powder	Tinuvin 1164	Engineerings
	BX UV 1577	147315-50-2	147-151	Pale yellow powder	Tinuvin 1577	Engineerings
	BX UV 2908	67845-93-6	55-65	White powder	Cyasorb UV 2908	PP/PE/PVC
	BX UV 312	23949-66-8	124-127	White powder	Tinuvin 312	PVC/UP/PUR
	BX UV 3638	18600-59-4	> 310	White powder	Cyasorb UV 3638	PET/PC
	BX UV 400	153519-44-9	/	Yellow liquid	Tinuvin 400	HP coatings
	BX UV 5050	127519-17-9	/	Yellow granules	Tinuvin 5050	Coatings/plastics
	BX UV 866	/	/	White powder	Tinuvin PUR 866	TPE/TPU
Light Stabilizer	BX UV 119	106990-43-6	115-150	Light yellow granule	Chimassorb 119	Agricultural films
	BX UV 123	12957-67-1	/	Light yellow liquid	Tinuvin 123	Coatings
	BX UV 292	41556-26-7	/	Light yellow liquid	Tinuvin 292	Coatings
	BX UV 622	82919-37-7	50-70	White powder	Tinuvin 622	Polyolefins
	BX UV 770	65447-77-0	81-85	White powder	Tinuvin 770	General application
	BX UV 783	/	55-140	White granules	Tinuvin 783	Film/tapes
	BX UV 791	/	> 55	White granules	Tinuvin 791	PP thick products
	BX UV 944	70624-18-9	110-130	White granules	Chimassorb 944	Films
	BX UV 2020	192268-64-7	120-135	Light yellow granule	Chimassorb 2020	Films
	BXUV SEED	70624-18-9		White solid	Nylostab S EED	Nylon

Flame retardant (please click on category & item name to jump to web page.)

Group	Item Name	CAS No.	Equivalent to	Form
Bromine	BX FR 245	25716-60-4	FR 245	Powder
	BX FR 93	32588-76-4	FR 93	Powder
	BX FR BC 58	71342-77-3	BC 58	Powder
	BX FR BDDP	21850-44-2	FR 710	Powder
	BX FR BPS	88497-56-7	FR 803P	Powder
	BX FR DBDPE	84852-53-9	FR 1410	Powder
	BX FR DBNPG	3296-90-0	FR 522	Powder
	BX FR MHB	29305-12-2		Powder
	BX FR PHT4 Diol	77098-07-8	RB 79	Liquid
	BX FR TBBA	79-94-7	FR 1524	Powder
	BX FR TBBP DBPE	42757-55-1	FR 640	Powder
	BX FR TBBPA	94334-64-2		Powder
	BX FR TBE	25327-89-3	FR 2124	Powder
	BX FR TBNPA	36483-57-5	FR 513	Powder
	BX FR TBPA	632-79-1	RB 49	Powder
	BX FR TTBP	19186-97-1	FR 370	Powder
Phosphorus	BX FR TPP	115-86-6	Disflamoll TP	Liquid
	BX FR BDP	5945-33-5	FP 600	Liquid
	BX FR BER	68928-70-1	/	Powder
	BX FR BPS	88497-56-7	HP3010	Powder
	BX FR RDP	57583-54-7	CR 733S	Liquid
	BX FR TCPP	13674-84-5	/	Liquid
	BX FR APP	68333-79-9	484	Powder
	BX FR 1230	225789-38-8	OP1230/1240	Powder
	BX FR 930	225789-38-8	OP930/935	Powder
	BX FR 950	37640-57-6	OP950	Powder
Nitrogen	BX FR MPP	218768-84-4	Melapur M 200	Powder
	BX FR MCA	37640-57-6	Melapur MCA	Powder
Sulfonate	BX FR HES	63316-46-8	HES FR	Powder
	BX FR KSS	63316-43-8	KSS FR	Powder

Laser marking additive

Laser marking is also known as laser engraving, laser carving.

Grade	Appearance	Dosage	Polymers	polymer color	marking color
BX LASER 8208	grey granules	1-2	PP, PE, TPU, TPE, PET, POM, SEBS, TPE, ABS	white	black
BX LASER 8825	gray powder	0.1	PP, PE	white	black
BX LASER 733P	black granules	1-2	PA, PBT	black	white
BX LASER 8835	black powder	0.1	PP, PE, TPU, TPE, PET, POM, SEBS, TPE, ABS	black	white
BX LASER 733B	black granules	1-2	PP	black	white
BX LASER 733U	grey granules	1-2	TPU	white/color	black
BX LASER 733S	black granules	1-2	ABS	black	white
BX LASER 732	white granules	1-2	PP, PE, TPU, TPE, PET, PBT, POM, SEBS, TPE, ABS	color	black
BX LAER 832P	black granules	1-2	PC	transparent	black
BX LAER 832S	black granules	1-2	ABS	transparent	black
Lasergreen 40MB	grey granules	1	PC, PMMA, ABS	transparent	black

Light diffusion agent

Polymethylsilsesquioxane (Spherical Silicone Resin Powder) is widely used in the field of plastics. It offers good optical balance of transmittance, haze as well as diffusion effect, and widely used in transparent PC, PMMA, PS transparent or semi transparent plastics.

Item Name	Diameter	Density	Appearance	Refractive Index	Heat Resistance
BX LDA 100	1	1.3	Free flow white powder	1.42 1.45	>400℃
BX LDA 150	1.5	1.3			
BX LDA 200	2	1.3			
BX LDA 300	3	1.3			
BX LDA 500	5	1.3			

Lubricant

PPA

Polymer Processing Aids are free flowing additives made of modified fluoro elastomer which improve processing of polyolefin resin at very low levels usage. PPA is coated at the inside of the die wall and decrease the friction between melted resin and the die wall.

PPA item	Product Form	Bulk Density	Particle size/mesh	Application	3M
BX PPA 5911	Free flowing Granular	1.1	50	Wire& cable	5911
BX PPA 5922		0.72	20	Blow film	5922
BX PPA 5920		0.72	25	Blow & packaging film	5920
BX PPA 5924		0.7	25	Blow film, wire & cable, cost effective	5924
BX PPA S200	Solid	/	/	PFAS free PPA	/

Silicon masterbatch

Silicon masterbatch is pellets with 40 to 50% ultra high molecular weight siloxane polymer dispersed in plastic like PE, PP, EVA etc, They are widely used in elastomers like SBES, SBS, TPE, TPU and other plastics like PP, PE.

Grade	Equal to	Appearance	Silicone Content%	Carrier	Dosage	Application
BX SMB 01	MB50 002	White Pellet	50%	LDPE	0.5-5	PP, PE, PA
BX SMB 02	MB50 320	White Pellet	50%	EVA	0.5-5	PVC, EVA, HDPE,
BX SMB 04	MB50 314	White Pellet	50%	HDPE	0.5-5	PP, HDPE
BX SMB 05	MB50 007	White Pellet	50%	ABS	0.5-5	ABS, PC/ABS
BX SMB 06	MB50 001	White Pellet	50%	PP	0.5-5	PP, TPE
BX SMB 07	MB50 011	White Pellet	40%	PA	0.5-5	PA6, PA66
BX SMB 08	MB50 010	White Pellet	40%	PET	0.5-5	PET
BX SMB 09	MB50 017	White Pellet	50%	TPU	0.5-5	TPU
BX SMB 10	MB50 004	White Pellet	50%	HIPS	0.5-5	HIPS, ABS, SAN, SEBS
BX SMB 11	MB40 006	White Pellet	40%	POM	0.5-5	POM
BX SMB 12	MB50 001	White Pellet	50%	LLDPE	0.5-5	PE, PP

Slip agent

Item name	Form	CAS No.	Equivalent to	Original
BX Erucamide	Beads, Power	112-84-5	Armoslip E Crodamide ER	China
BX Oleamide	Beads, Power	301-02-0	Armoslip CP Crodamid VRX	China

Nucleating Agent

Nucleating agent which also known as clarifying agent(clarifiers), improve the crystallization of semi crystalline polymers.

Baoxu	Milliken	ADK	Clariant
BX NA 11	/	Stab NA 11	
BX NA 101	/	/	Licomont CaV 101
BX NA 102	/	/	Licomont NAV 102
BX NA 20	Hyperform HPN 20E	/	/
BX NA 21	/	Stab NA 21	
BX NA 3988	Millad 3988	/	/
BX NA 900	Hyperform HPN 900ei	/	/

关于宝旭化工

东莞市宝旭化工科技有限公司创立于 2008 年，专注色彩与防老化业务 18 年，其中色彩业务包括色粉与测色仪（爱色丽代理）；防老化业务包括抗氧剂、光稳定剂等。服务客户包括塑胶、涂料、油墨行业，宝旭化工致力于成为您可信赖的色彩与防老化合作伙伴。

About Baoxu Chemical

Dongguan Baoxu Chemical Technology Co.,Ltd. was established in year 2008, focused on Colorants and Plastic Additives, Colorants business unit include Pigments and Spectrophotometer(x-rite agent). Additives business unit include FR, AO, UV, Laser, PPA, clarify additive. We server plastics, paint, and ink industries. Baoxu chemical committed to be your reliable partner in the two business sections. Please feel free to contact us. Our sales and technical staff are always glad to assist.

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