

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
Antioxidant	4
Antistatic Agent	5
Compatibilizer	5
Colorants-Organic Pigments	6
Colorants-Solvent Dyes	7
Impact Modifier	8
UV Stabilizer	9
Flame Retardant	10
Light Diffusion Agent	11
Lubricant	11
PPA.....	11
Silicon Masterbatch.....	12
Slip Agent.....	12
Nucleating Agent	13
Optical Brightener	13

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 organic and inorganic additives, and they are often used synergistically.

Item name	Type	Average particle size D50/um	Equivalent to
BX silicone K45	Silicon	4.0-4.5	Sylobloc 45, SPHERILEX 30
BX silicone K70	Silicon	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	Suitable resins
BX ADA 200	50	MS	0.75±0.15	PC, PC/ABS Alloy, Nylon
BX ADA 201	50	MS	0.4±0.05	
BX ADA 202	50	MS	0.4±0.05	
BX ADA 205	50	SAN	0.6±0.05	

Antioxidant

Type Item	Name 名称	CAS No. CAS 号	MR °C 熔点	Form 物理形态	Compare As 对标	Application 应用
Amine 胺类	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 受阻酚类	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	
Phosphate 磷酸酯类	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	Engineering
	BX AO 9228	154862-43-8	225-245	White Powder	Doverphos 9228	Engineering
Thioester 硫脂类	BX AO 412s	29598-76-3	48-54	White Powder	Lowinox 412s	Engineering
	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 复配类	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

Antistatic Agent

The purpose of using antistatic agents in polymers is to reduce the static electricity build-up. Thus avoid dust attraction, films sticking as well as safe spark-free handling of the plastic articles. They are used in polyolefin polymerization processes to reduce static build-up inside different reactor systems, also plastics like BOPP film, PVC, PP, PE, ABS, PS, PET. In agriculture, packing and petrochemical applications.

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 400	Ethoxylated amine	slight yellow solid	Armostat 400
BX ATA 600	Ethoxylated amine	white solid	Armostat 600
BX ATA 93	Sodium alkyl sulfate	light yellow pellets	HOSTAPUR SAS 93

Compatibilizer

Compatibilizer 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

Colorants-Organic Pigments

Color	Name	C.I.No	TEMP	Light Fastness	Migration	Comparable As	
Blue	Blue 150P	PB-15:0	200	7	5	Economic Grade	
	Blue 151P	PB-15:1	260	7	4-5	BASF Blue K6902	
	Blue 153P	PB-15:3	280	7	4-5	BASF Blue K7090	
Brown	Brown 25P	PBr-25	280	7-8	4-5	Clariant Brown HFR	
Green	Green 7P	PG-7	280	8	4-5	BASF K8730	
	Orange 13P	PO-13	180	5	3	Clariant Orange G	
Orange	Orange 16P	PO-16	200	5-6	4	Economic Grade	
	Orange 34P	PO-34	200	6	5	Yellowish	
	Orange 64P	PO-64	300	7	5	Ciba Orange GP	
	Orange 73P	PO-73	280	7	5	BASF Orange RA	
	Red 481P	PR-48:1	220	5-6	5	Ciba NBSP	
Red	Red 482P	PR-48:2	200	5-6	5	Ciba 2BP	
	Red 483P	PR-48:3	230	6	5	Ciba Red 2BSP	
	Red 531P	PR-53:1	200	3-4	3-4	Clariant Red LC/LG	
	Red 571P	PR-57:1	220	3-4	4	Ciba Red 4BP	
	Red 122P	PR-122	280	8	5	Clariant Pink E	
	Red 170P3	PR-170	200	6	3	Clariant Red F3RK	
	Red 170P5	PR-170	200	6	4	Clariant Red F5RK	
	Red 208P	PR-208	250	7	4-5	Clariant Red HF2B	
	Red 242P	PR-242	250	7-8	5	Clariant Red 4RF	
	Red 254P	PR-254	300	8	5	Ciba DDP Red 2030	
	Red 264P	PR-264	300	8	5	Ciba DDP TR	
	Red 272P	PR-272	300	7-8	5	Good Properties	
	Violet	Violet 19P	PV-19	280	8	5	Clariant E5B
		Violet 23PB	PV-23	260	6	3-4	Bluish
		Violet 23PR	PV-23	260	6	3-4	Reddish
Yellow	Yellow 14PG	PY-14	200	5-6	3-4	Greenish, Yellow 2GS	
	Yellow 62P	PY-62	250	6-7	4	Ciba Yellow WSR	
	Yellow 81P	PY-81	220	7	5	Clariant H10G	
	Yellow 83PG	PY-83	220	7	5	Greenish, Clariant HR	
	Yellow 83PR	PY-83	220	7	5	Reddish, Clariant HR02	
	Yellow 110P	PY-110	280	7	5	Ciba 3RLP	
	Yellow 138P	PY-138	280	7	5	BASF K0961HD	
	Yellow 139P	PY-139	250	7	4	BASF K1841	
	Yellow 150P	PY-150	260	8	5	Special Type	
	Yellow 151P	PY-151	240	7	5	Clariant Yellow H4G	
	Yellow 168P	PY-168	230	7	4	Ciba Yellow WGP	
	Yellow 180P	PY-180	280	7	4	Clariant Yellow HG	
	Yellow 181P	PY-181	300	7	4	Clariant Yellow H3R	
	Yellow 183P	PY-183	270	7	4	BASF Yellow K2270	
	Yellow 191PR	PY-191	260	7	5	Reddish, Clariant HGR	

Colorants-Solvent Dyes

Color	Product	C. I. Index	Synonyms	CAS No. CAS
Black	Black 3	SBL 3	Oil Black H3B	4197-25-5
	Blue 104	SB 104	Blue 2B	116-75-6
Blue	Blue 122	SB 122	Blue R	67905-17-3
	Blue 35	SB 35	Blue 2N	12226-78-7
	Blue 36	SB 36	Blue AP	14233-37-5
	Blue 67	SB 67	Blue G	12226-78-7
	Blue 78	SB 78	Blue GP	2475-44-7
	Blue 97	SB 97	Blue RR	70956-30-23
	Green	Green 28	SG 28	Green G
Green 3		SG 3	Green 5B	128-80-3
Green 5		SG 5	Yellow 8G	128-80-5
Orange	Orange 60	SO 60	Orange 3G	6925-69-5
	Orange 63	SO 63	Orange GG	16294-75-0
Red	Red 111	SR 111	Red GS	82-38-2
	Red 135	SR 135	Red EG	20749-68-2
	Red 146	SR 146	Red FB	70956-30-8
	Red 149	SR 149	Red HFG	71902-18-6
	Red 23	SR 23	Red HRR	85-86-9
	Red 179	SR 179	Red E2G	6829-22-7
	Red 195	SR 195	Red 2B	164251-88-1
	Red 196	SR 196	Red BK	52372-36-8
	Red 207	SR 207	Red FBR, FRL	15958-68-6
	Red 24	SR 24	Red BR	85-83-6
	Red 25	SR 25	Red B	3176-79-2
Violet	Red 41	SR 41	Red 5B	522-75-8
	Red 52	SR 52	Red HL5B	81-39-0
	Violet 13	SV 13	Violet B	81-48-1
	Violet 26	SV 26	Violet R	61951-89-1
	Violet 31	SV 31	Violet RR	70956-27-3
Yellow	Violet 36	SV 36	Violet 3R	61951-89-1
	Violet 37	SV 37	Violet FBL	61969-50-4
Yellow	Yellow 114	SY 114	Yellow 2G, Disperse 54	75216-45-4
	Yellow 14	SY 14	Yellow R	842-07-9

Impact Modifier

Impact Modifiers are substances that increase the durability of molded or extruded plastics, especially those that need to be constantly subjected to impact forces like cold weather. They are added to compounded materials to provide performance features. They provide strength and break resistance to the product for which they are added. They also provide rigidity to the product to prevent it from warping or sagging during everyday use. Impact Modifiers also provide various properties to the product like optical and tensile strength, weather ability, processability, flammability, and heat distortion. Impact Modifiers are of different types.

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			S-2501	PC、 PC Alloys	3-5
	BX IM 331			S-2100	PC、 PC Alloys	3-5
	BX IM 334			S-2030	PC、 PC Alloys	3-5
	BX IM 335			S-2130	PC、 PC Alloys	3-5
ASA	BX IM 960				ASA	3-5
Acrylic	BX IM 980			M210	PMMA	3-5

UV Stabilizer

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/ 82919-37-7	/	Light yellow liquid	Tinuvin 292	Coatings
	BX UV 622	65447-77-0	50-70	White powder	Tinuvin 622	Polyolefins
	BX UV 770	52829-07-9	80-85	White powder	Tinuvin 770	General application
	BX UV 783	65447-77-0/ 70624-18-9	55-140	White granules	Tinuvin 783	Film/tapes
	BX UV 791	70624-18-9	> 55	White granules	Tinuvin 791	PP thick products
	BX UV 944	70624-18-9	105-135	White granules	Chimassorb 944	Films
	BX UV 2020	192268-64-7	120-150	Light yellow granule	Chimassorb 2020	Films
	BX SEED UV	42774-15-2	268– 275	White solid	Nylostab S-EED	Nylon

Flame Retardant

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
	BX FR 2025	29420-49-3	FR-2025	Powder

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°C
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 S100	Solid	/	/	PE, PFAS free PPA	/
BX PPA S200	Solid	/	/	PP, 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, PA, etc.

Grade	Equal to DOW	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, LDPE
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 Crodamide ER ^E	China
BX Oleamide	Beads, Power	301-02-0	Armoslip Crodamid VRX ^{CP}	China

Nucleating Agent

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

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

Optical Brightener

Optical brighteners are used to mask yellow or increase whiteness of plastics, inks, coatings, paper, fiber.

Name	Equivalent to	CAS No.	CI Number
BX OBA OB	Uvitex/Tinopal OB	7128-64-5	FBA 184
BX OBA OB-1	Eastobrite OB-1	1533-45-5	FBA 393
BX OBA KCB	Hostalux KCB	5089-22-5	FBA 367
BX OBA KSB	Telalux KSB	7128-54-5	FBA 390
BX OBA KSN	Hostalux KSN	5242-49-9	FBA 368
BX OBA KSN P	Hostalux KSN	5242-49-9	FBA 368
BX OBA FP-127	Uvitex FP	40470-68-6	FBA 387
BX OBA CBS-X P	Tinopal CBS-X	27344-41-8	FBA 351

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 15 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化剂、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 Anti-oxidising Additives, Colorants business unit include Pigments and Spectrophotometer(x-rite agent). Anti-oxidising business unit include Antioxidants and UV Stabilizers. 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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