

Loyal Group

Kingpor®

Expandable Polystyrene: Non-Fire Retardant Grade

Type	Expansion	Grades	Particle Size Range (mm)	Foam Density (g/l)	Characteristics	Principal Applications
E series	1 time expansion	E-MS	1.2-1.8	13-15	Low density, high strength, good fusion, beautiful surface.	Electronic appliances packaging, fishing boxes, art works packaging, sports protections, floating ball, blocks, etc.
		E-SA	0.9-1.4	14-17		
		E-SB	0.7-1.1	15-20		
		E-S	0.5-0.9	18-25		
B series	1 time expansion	B-MS	1.2-1.8	16-20	Short time cooling and molding, short cycle time, low energy consumption, low VOC, low density.	Electronic appliances packing, suitable for other packaging.
		B-SA	0.9-1.4	17-22		
		B-SB	0.7-1.1	18-25		
		B-S	0.5-0.9	20-30		

Type	Expansion	Grades	Particle Size Range (mm)	Foam Density (g/l)	Characteristics	Principal Applications
H series	1 time expansion	H-MS	1.2-1.8	11-15	Easily achieve light density and economic consumption.	Light block, often used for cutting board, lost foam casting, light packaging, etc.
		H-SA	0.9-1.4	11-15		
		H-SB	0.7-1.1	13-16		
		H-S	0.5-0.9	13-18		
	3~5 times expansion	H-MS	1.2-1.8	6-7	Easily achieve light density and economic consumption.	Light block, often used for cutting board, lost foam casting, light packaging, etc.
		H-SA	0.9-1.4	7-8		
		H-SB	0.7-1.1	8-9		
		H-S	0.5-0.9	9-10		
Expandable Polystyrene: Fire Retardant Grade						
GF series	1 time expansion	GF-MS	1.2-1.8	14-18	Fire retardant without HBCD.	Building insulation, also suitable for electronics structural parts.
		GF-SA	0.9-1.4	15-20		
		GF-SB	0.7-1.1	18-25		
		GF-S	0.5-0.9	20-35		
GF(L) series	1 time expansion	GF(L)-MS	1.2-1.8	18-25	Low pentane, low VOC for block molding and shape molding without HBCD.	Building insulation, also suitable for electronics structural parts.
		GF(L)-SA	0.9-1.4	18-30		
		GF(L)-SB	0.7-1.1	20-40		
		GF(L)-S	0.5-0.9	22-50		

Type	Expansion	Grades	Particle Size Range (mm)	Foam Density (g/l)	Characteristics	Principal Applications
LR Series Grey	1 time expansion	LR-1915	1.0-1.8	17-20	Grey color, low thermal conductivity. Without HBCD.	Thermal insulation, construction material, etc.
		LR-1610	0.7-1.1	18-22		
		LR-1608	0.5-0.8	25-40		
		LR -1925A	1.8-2.5	15-20		
Extruded Polystyrene: Fire Retardant Grade						
XLR series Grey	1 time expansion	XLR-1610	0.95-1.25	≥15	Grey color, low thermal conductivity. Without HBCD.	Thermal insulation, construction material, etc.
		XLR-1608	0.7-0.95	≥25		
Extruded Polystyrene: Non-Fire Retardant Grade						
HP series	1 time expansion	HP-1501	0.9-1.4	≥25	High impact resistance, high strength. Good fusion, good cushion.	Appliances, LCD, computer parts, electronic parts, etc.

Type	Expansion	Grades	Particle Size Range (mm)	Foam Density (g/l)	Characteristics	Principal Applications
XHP series	1 time expansion	XHP-1501	0.9-1.4	≥25	Fast expansion, good fusion, high strength, beautiful surface, excellent impact resistance and toughness.	Car bumper, safety seat, packaging of LCD panels, etc.

Expandable Polystyrene (Customized Grade) : Non-Fire Retardant Grade

H series	1 time expansion	H-4S	0.3-0.6	18-40	Wide used in lost foam casting field due to good property of rapid evaporation, low-carbon, and high adhesion.	Exclusively used for Lost foam casting.
E series	1 time expansion	E-4S	0.3-0.6	20-50	Low smell and noise in pre-expansion.	Filler material: used for toys, pillows, backrest cushion, precision structural, etc.
B series	1 time expansion	B-4S	0.3-0.6	22-50	Low smell and noise in pre-expansion.	Filler material: used for toys, pillows, backrest cushion, precision structural, etc.

Type	Expansion	Grades	Particle Size Range (mm)	Foam Density (g/l)	Characteristics	Principal Applications
G series	1 time expansion	G-XXL	≥4.0	25-50	Rounded particles, high strength.	Filtration material, water-resisting layer, filling layer, etc.
		G-XL	2.80-3.60	20-50		
		G-L	2.20-2.80	20-50		

Limited Supply

Expandable Polystyrene (Customized Grade) : High Antistatic Grade

D series	1 time expansion	D-B-MS	1.2-1.8	15-20	Surface impedance value of final product is 10^{9} -$10^{11}\Omega$	High antistatic grade: suitable for antistatic packaging, such as touch screen, LCD.
		D-B-SA	0.9-1.4	18-22		
		D-B-SB	0.7-1.1	20-40		
		D-B-S	0.5-0.9	25-40		

Limited Supply

Packing Information

Packing	Weight	20 ft Container	40 ft Container
Paper Bag	**25 KG**	17 MT	25.5 MT
Flecon Bag	**750 KG**	15 MT	25.5 MT
	850 KG	17 MT	25.5 MT

Origin Information

Type	China	Taiwan	Type	China	Taiwan
E series	○	○	G series	○	×
B series	○	○	D series	○	×
H series	○	○	LR series	○	×
GF series	○	○	XLR series	○	×
GF(L) series	×	○	HP series	○	×
-	-	-	XHP series	○	×

Disclaimer

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