

FRblend® PBT-1307

Polybutylene Terephthalate

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

FRblend® PBT-1307 is 30% glass fiber filled, halogen-free flame retardant polybutylene-terephthalate compound. This grade offers good impact resistance, good heat resistance, low warping. The flame retardant system is base on non-chlorinated and non-brominated.

General Information			
Additive	Flame Retardant		
Features	Bromine Free		
	Chlorine Free		
	Flame Retardant		
	Good Impact Resistance		
	Halogen Free		
	High Impact Resistance		
	Low Warpage		
Uses	Automotive Applications		
	Connectors		
	Electrical/Electronic Applications		
	Switches		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.51	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.30 to 0.50	%	ASTM D955
Water Absorption (24 hr)	0.080	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8400	MPa	ASTM D638
Tensile Strength	100	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	8600	MPa	ASTM D790
Flexural Strength	122	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	213	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating (1.60 mm)	V-0	UL 94	

Injection	Nominal Value	Unit
Drying Temperature	80.0 to 100	°C
Drying Time	4.0 to 6.0	hr
Rear Temperature	230 to 240	°C
Middle Temperature	235 to 245	°C
Front Temperature	240 to 250	°C
Nozzle Temperature	250 to 260	°C
Mold Temperature	50.0 to 90.0	°C

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

