

FRblend® PBT-1500

Polybutylene Terephthalate

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

FRblend® PBT-1500 is unfilled, flame retardant polybutylene-terephthalate compound. This grade offers good mechanical properties and heat stability.

General Information			
Additive	Flame Retardant		
	Heat Stabilizer		
Features	Flame Retardant		
	Heat Stabilized		
Uses	Automotive Applications		
	Business Equipment		
	Electrical/Electronic Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.2 to 1.7	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3050	MPa	ASTM D638
Tensile Strength	55.0	MPa	ASTM D638
Tensile Elongation (Break)	18	%	ASTM D638
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength	85.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	35	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	64.3	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating (1.60 mm)	V-2	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	80.0 to 120	°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

