FRblend® PBT-1304

Polybutylene Terephthalate

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

FRblend® PBT-1304 is an unfilled, halogen-free flame retardant polybutylene-terephalate compound. The flame retardant system is base on non-chlorinated and non-brominated.

General Information			
Additive	Flame Retardant		
Features	Bromine Free		
	Chlorine Free		
	Flame Retardant		
	Halogen Free		
Uses	Connectors		
	Electrical/Electronic Applications		
	Switches		
Forms	Pellets		
Processing Method	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.5 to 2.0	%	ASTM D955
Water Absorption (24 hr)	0.20	%	ASTM D570

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3870	MPa	ASTM D638
Tensile Strength	60.0	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	2860	MPa	ASTM D790
Flexural Strength	80.0	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	40	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	90.0	°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	

Recommended distributors for this material

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