

# FRblend® PBT-2500

Polybutylene Terephthalate

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

## Message:

FRblend® PBT-2500 is unfilled, flame retardant polybutylene-terephthalate compound. The flame retardant system is based on halogen-free flame retardant. This grade offers good mechanical properties and heat stability.

General Information			
Additive	Flame Retardant		
	Heat Stabilizer		
Features	Flame Retardant		
	Halogen Free		
	Heat Stabilized		
Uses	Automotive Applications		
	Business Equipment		
	Electrical/Electronic Applications		
Appearance	Opaque		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.2 to 1.7	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3420	MPa	ASTM D638
Tensile Strength	53.0	MPa	ASTM D638
Tensile Elongation (Break)	18	%	ASTM D638
Flexural Modulus	2630	MPa	ASTM D790
Flexural Strength	85.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	72.0	°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

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