

PB 015 GF FR NTR

POLYBUTYLENE TEREPHTHALATE (PBT)



PRODUCT DESCRIPTION

PBT 15% Glass Filled Flame Retardant Natural

FEATURES

- Excellent Surface Finish
- Excellent Mechanical & Chemical properties
- Flame Retardant

APPLICATIONS

- Furniture
- Automotive
- Home appliance

TYPICAL PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
PHYSICAL PROPERTIES			
Density	ISO 1138	g/cc	1.49
MECHANICAL PROPERTIES			
Tensile Strength Yield	ISO 527-2	MPa	95
Tensile Modulus	ISO 527-2	%	3
Elongation Break	ISO 527-2	%	5300
Flexural Strength	ISO 178	MPa	142
Flexural Modulus	ISO 178	MPa	4900
Charpy Notched Impact Strength	ISO 179/1eA	KJ/m ²	6
THERMAL PROPERTIES			
Heat Deflection Temperature – 1.8 MPa	ISO 75-1/-2	°C	205
Melting Temperature 10°C/min	ISO 11357-1/-3	°C	225

Ravago Manufacturing India Pvt Ltd.

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Format No: F-QC-20

www.ravagomi.com

Rev.No:01

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TYPICAL PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
FLAMMABILITY			
Flammability @ 3.2mm	UL 94		V0

INJECTION MOLDING CONDITIONS			
Mold Temperature		°C	80 to 100
Rear Temperature		°C	240 to 245
Middle Temperature		°C	240 to 250
Front Temperature		°C	240 to 250
Nozzle Temperature		°C	245 to 245

Drying Conditions

Material can be dried for 4 hours at 90 - 100°C or until moisture level <0.2%.

HANDLING AND STORAGE

Handling: Maintain good housekeeping. Spilled materials may create a slipping hazard. Remove dust from settling areas to prevent any secondary potential dust explosion or fire hazards. Electrostatic charge may build up during handling. Grounding of equipment is recommended.

Storage: Store in a dry place and away from direct sunlight or heat sources.

DISPOSAL CONSIDERATIONS

Disposal Method: It must be disposed of in accordance with Federal, State and local environmental control regulations.

The data and information contained herein are typical average values, based on our current level of knowledge and experience, and do not constitute sales specifications. No liability, warranty or guarantee of product performance is created by this document. It is the buyer's responsibility to inspect and test our products in order to determine the suitability for the buyer's application.

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