

PB 020 GF S WHT

POLYBUTYLENE TEREPHTHALATE(PBT)



PRODUCT DESCRIPTION

PBT 20%Glass Fiber Reinforcement, white

FEATURES

- Excellent Mechanical & Chemical properties
- ROHS compliance
- Color : White

APPLICATIONS

- Furniture
- Automotive
- Home appliances

TYPICAL PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
PHYSICAL PROPERTIES			
Density	D-792	g/cc	1.45
Ash Content / Reinforcement	D-5630	%	20.0
Melt flow Index @ (250°C/2.16 kg)	D 1238	Gm/10 min	25
MECHANICAL PROPERTIES			
Tensile Strength at Break	D-638	MPa	95
Elongation at Break	D-638	%	3.0
Flexural Strength (5 mm/min)	D-790	MPa	135
Flexural Modulus (5 mm/min)	D-790	MPa	4500
Impact Strength (IZOD Notched)	D-256	Kg.cm/cm	6
THERMAL PROPERTIES			
Heat Deflection Temperature – 1.8 MPa	D-648	°C	190

Ravago Manufacturing India Private Limited

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Format No: F-QC-20



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Rev.No:01

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TYPICAL PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
FLAMMABILITY			
Flame Rating, 3.2 mm	UL 94	-	HB
Glow Wire Testing @ 650 °C thickness 1mm	IEC 60695-2-12	°C	Pass

INJECTION MOLDING CONDITIONS			
Mold Temperature		°C	80 to 100
Melt Temperature		°C	245 to 255
Middle Temperature		°C	250 to 260
Feed Zone Temperature		°C	235 to 245
Nozzle Temperature		°C	250 to 255

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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