

PB 030 GF BLK POLYBUTYLENE TEREPHTHALATE (PBT)



PRODUCT DESCRIPTION

PBT 30%Glass Fiber Reinforcement, Black

FEATURES

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

APPLICATIONS

- Furniture
- Automotive
- Home appliances

TYPICAL PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
PHYSICAL PROPERTIES			
Density	D-792	g/cc	1.53
MECHANICAL PROPERTIES			
Tensile Strength Yield	D-638	MPa	125
Elongation Break	D-638	%	3.2
Flexural Strength,	D-790	MPa	190
Impact Strength (IZOD Notched)	D-256	J/m	70
THERMAL PROPERTIES			
Heat Deflection Temperature – 1.8 MPa Method B	D-648	°C	200

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			
Flame Rating, 3.2 mm	UL 94	-	HB
Glow Wire Testing @ 960 °C	IEC 60695-2-12	°C	NA

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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