

# PB 030 GF FR 05 NTR POLYBUTYLENE TEREPHTHALATE (PBT)



## PRODUCT DESCRIPTION

PBT 30%Glass Fiber Reinforcement, Flame Retardant Natural

## FEATURES

- Flame Retardant
- Excellent Mechanical & Chemical properties
- Halogen based FR system,
- ROHS compliance
- Color : Natural

## APPLICATIONS

- Furniture
- Automotive
- Home appliances

TYPICAL PROPERTIES	TEST METHOD	UNIT	Typical Values
<b>PHYSICAL PROPERTIES</b>			
Density	D-792	g/cc	1.63
<b>MECHANICAL PROPERTIES</b>			
Tensile Strength Yield	D-638	MPa	125
Elongation Break	D-638	%	3
Flexural Strength,	D-790	MPa	190
Impact Strength (IZOD Notched)	D-256	J/m	75
<b>THERMAL PROPERTIES</b>			
Heat Deflection Temperature – 1.8 MPa Method B	D-648	°C	210

## Ravago Manufacturing India Pvt Ltd.

96, GIDC Alindra, Manjusar,  
Tal. Savali, Vadodara 391775. India

☎ +919909901581

Format No: F-QC-20

 [www.ravagomi.com](http://www.ravagomi.com)

Rev.No:01

# PB 030 GF FR 05 NTR POLYBUTYLENE TEREPHTHALATE (PBT)



TYPICAL PROPERTIES	TEST METHOD	UNIT	Test Values
<b>FLAMMABILITY</b>			
Flame Rating, 3.2 mm	UL 94	-	V0
Glow Wire Testing @ 960 °C	IEC 60695-2-12	°C	NA

<b>INJECTION MOLDING CONDITIONS</b>			
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.

## Ravago Manufacturing India Pvt Ltd.

96, GIDC Alindra, Manjusar,  
Tal. Savali, Vadodara 391775. India

☎ +919909901581

Format No: F-QC-20

 [www.ravagomi.com](http://www.ravagomi.com)

Rev.No:01