

## Technical Data Sheet

Product Name: **Polybutylene Terephthalate Reinforced with GF**

Grade: **RP73PBT-30GF-B**

### Description:

**RP73PBT-30GF-B** is virgin polybutylene terephthalate (PBT) reinforced with 30 % glass fiber. It combines excellent stiffness and toughness and also chemical resistance. This grade provides superior dimensional stability due to its low moisture absorption. This compound has been designed for injection molding process and its main application is automotive parts, electrical goods, household industry and other finished products.

### General Information:

<b>Material Status:</b>	<i>Commercially Active</i>
<b>Delivery form:</b>	<i>Pellets</i>
<b>Color:</b>	<i>Black</i>
<b>Processing Method:</b>	<i>Injection Molding</i>
<b>Application:</b>	<i>Automotive Plastics Parts, Electrical Plastics Parts</i>
<b>Packing:</b>	<i>25 kg</i>

### Characteristics:

	<i>Value</i>	<i>Unit</i>	<i>Test method</i>
Density	1.5	gr/cm <sup>3</sup>	ASTM D 792
Tensile Strength (50 mm/min)	≥140	MPa	ASTM D 638
Elongation	3	%	ASTM D 638
Flexural Modulus	10000	MPa	ASTM D 790
Izod Notched Impact (23 °C)	11	KJ/m <sup>2</sup>	ASTM D 256
Izod Un-Notched Impact (23°C)	40	KJ/m <sup>2</sup>	ASTM D 256

### Recommendation:

- It should be degassed properly before using
- Recommended temperatures should be 225-280 °C with medium to high injection speed

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