

# Polylink Polymer PBT-11020-GF

Polybutylene Terephthalate

Polylink Polymers (India) Ltd.

## Message:

Filled PBT compounds are manufactured by compounding PBT with specially treated chopped glass and modified with additives to make parts with high mechanical properties, heat resistance and fire resistance.

Excellent flame retardancy.

Good resistance to environmental stress-cracking.

High heat deflection temperature.

Low warpage.

Good mould release.

Good Mechanical Properties.

General Information			
Filler / Reinforcement	Filler, 20% filler by weight		
Features	Low warpage		
	High ESCR (Stress Cracking Resistance)		
	Good demoulding performance		
	Flame retardancy		
Appearance	Natural color		
Physical	Nominal Value	Unit	Test Method
Density	1.55 - 1.60	g/cm <sup>3</sup>	Internal method
Moisture Content	< 800	ppm	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	88.3 - 98.1	MPa	ASTM D638
Flexural Modulus	5490 - 5690	MPa	ASTM D790
Flexural Strength	147 - 157	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	49 - 54	J/m	ASTM D256
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0 - 100	°C	
Drying Time	2.0 - 4.0	hr	
Cylinder Zone 1 Temp.	215	°C	
Cylinder Zone 2 Temp.	220	°C	
Cylinder Zone 3 Temp.	230	°C	
Cylinder Zone 4 Temp.	240	°C	
Cylinder Zone 5 Temp.	245	°C	
Extrusion instructions			
Zone 6 : 250°C			

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