

Polylink Polymer PBT-11020-GFFR

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	1.60 - 1.65	g/cm ³	Internal method
Moisture Content	< 800	ppm	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	98.1 - 108	MPa	ASTM D638
Flexural Modulus	6670 - 6860	MPa	ASTM D790
Flexural Strength	157 - 167	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	59 - 64	J/m	ASTM D256
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94
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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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

