

Lanxess Pocan® BF 4130 XF 700051 PBT, 30% Glass Fiber

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 30% Glass Fiber Filled

Material Notes:

PBT, 30% glass fibers, injection molding, flame retardant, improved flowability

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lanxess-Pocan-BF-4130-XF-700051-PBT-30-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.618 g/cc	0.05845 lb/in ³	ISO 1183
Viscosity Test	62 cm ³ /g	62 cm ³ /g	Viscosity number; ISO 307, 1157, 1628
Linear Mold Shrinkage, Flow	0.0030 cm/cm	0.0030 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.0080 cm/cm	0.0080 in/in	ISO 294-4, 2577
Melt Flow	28 g/10 min @Load 2.16 kg, Temperature 260 °C	28 g/10 min @Load 4.76 lb, Temperature 500 °F	Estimated using room temperature density; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	130 MPa	18900 psi	ISO 527-1/-2
Elongation at Break	2.2 %	2.2 %	ISO 527-1/-2
Tensile Modulus	10.0 GPa	1450 ksi	ISO 527-1/-2
Charpy Impact Unnotched	5.50 J/cm ² @Temperature 23.0 °C	26.2 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	30.0 µm/m-°C	16.7 µin/in-°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	100 µm/m-°C	55.6 µin/in-°F	ISO 11359-1/-2
Melting Point	228 °C	442 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	221 °C	430 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	206 °C	403 °F	ISO 75-1/-2
Deflection Temperature at 8.0 MPa	147 °C	297 °F	ISO 75-1/-2
Vicat Softening Point	205 °C	401 °F	50°C/h 50N; ISO 306

Thermal Properties	Metric	English	Comments
Flammability, UL94	@Thickness 0.750 mm	@Thickness 0.0295 in	IEC 60695-11-10
	V-0	V-0	IEC 60695-11-10
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Processing Properties	Metric	English	Comments
Melt Temperature	260 Å°C	500 Å°F	Injection Molding; ISO 294
Mold Temperature	80.0 Å°C	176 Å°F	Injection Molding; ISO 10724

Descriptive Properties	Value	Comments
Form	Pellets	
ISO Shortname	SO 7792-PBT,GFHR,07-100,GF30; ISO 1043-PBT GF FR(17)	
Processing	Injection molding	
Region	Asia Pacific	
	Europe	
	Near East/Africa	
	North America	
	South and Central America	

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