

Lanxess Pocan® DP 7244 000000 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

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lanxess-Pocan-DP-7244-000000-PBT-30-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.70 g/cc	0.0614 lb/in ³	ISO 1183
Water Absorption	0.40 %	0.40 %	Test Sim. to ISO 62
Moisture Absorption at Equilibrium	0.20 %	0.20 %	23 ^o C/50% R.H.; Test Sim. to ISO 62
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	31 g/10 min @Load 2.16 kg, Temperature 260 ^o C	31 g/10 min @Load 4.76 lb, Temperature 500 ^o F	Estimated using room temperature density; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	145 MPa	21000 psi	ISO 527-1/-2
Elongation at Break	2.5 %	2.5 %	ISO 527-1/-2
	3.0 %	3.0 %	Nominal; ISO 527-1/-2
Tensile Modulus	11.0 GPa	1600 ksi	ISO 527-1/-2
Charpy Impact Unnotched	5.50 J/cm ² @Temperature 23.0 ^o C	26.2 ft-lb/in ² @Temperature 73.4 ^o F	ISO 179/1eU

Thermal Properties	Metric	English	Comments
Melting Point	225 ^o C	437 ^o F	10 ^o C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	223 ^o C	433 ^o F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	210 ^o C	410 ^o F	ISO 75-1/-2
Deflection Temperature at 8.0 MPa	150 ^o C	302 ^o F	ISO 75-1/-2
Flammability, UL94	V-0	V-0	IEC 60695-11-10

Thermal Properties	Metric @ Thickness 0.750 mm	English @ Thickness 0.0295 in	Comments
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Electrical Properties	Metric	English	Comments
Comparative Tracking Index	200 V	200 V	IEC 60112

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

Descriptive Properties	Value	Comments
Additives	Flame retarding agent	
	Release agent	
Features	Flame retardant	
Form	Pellets	
ISO Shortname	ISO 7792-1-PBT,GFR,07-110,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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