

Lanxess Pocan® B 3217 XF 000000 PBT, 16% Glass Fiber

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 20% Glass Fiber Filled

Material Notes:

PBT, 16% glass fibers, injection molding, improved flowability, impact modified

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lanxess-Pocan-B-3217-XF-000000-PBT-16-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0060 cm/cm	0.0060 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.0011 cm/cm	0.0011 in/in	ISO 294-4, 2577
Melt Flow	55 g/10 min @Load 2.16 kg, Temperature 260 °C	55 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	105 MPa	15200 psi	ISO 527-1/-2
Elongation at Break	3.2 %	3.2 %	ISO 527-1/-2
Tensile Modulus	6.10 GPa	885 ksi	ISO 527-1/-2
Charpy Impact Unnotched	4.50 J/cm ² @Temperature 23.0 °C	21.4 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU

Thermal Properties	Metric	English	Comments
Melting Point	225 °C	437 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	222 °C	432 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	200 °C	392 °F	ISO 75-1/-2

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

Descriptive Properties	Value	Comments
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Form Descriptive Properties	Pellets Value	Comments
ISO Shortname	ISO 7792-1-PBT,GHMPR,07-060,GF16	
Processing	Injection molding	
Region	Asia Pacific	
	Europe	
	Near East/Africa	
	North America	
	South and Central America	

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