

Lanxess Pocan® T 3150 XF 000000 PBT + PET, 55% Glass Fiber

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , PBT + PET Blend, Glass Filled , Polyethylene Terephthalate (PET)

Material Notes:

PBT+PET, 55% glass fibers, injection molding, improved flowability, low tendency to warp, increased temperature peak load, increased strength and increased modulus

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lanxess-Pocan-T-3150-XF-000000-PBT-PET-55-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.70 g/cc	0.0614 lb/in ³	ISO 1183
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	34 g/10 min @Load 5.00 kg, Temperature 270 °C	34 g/10 min @Load 11.0 lb, Temperature 518 °F	Estimated using room temperature density; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	160 MPa	23200 psi	ISO 527-1/-2
Elongation at Break	1.5 %	1.5 %	ISO 527-1/-2
Tensile Modulus	18.5 GPa	2680 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	10.0 µm/m-°C	5.56 µin/in-°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	60.0 µm/m-°C	33.3 µin/in-°F	ISO 11359-1/-2
Melting Point	225 - 260 °C	437 - 500 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	230 °C	446 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	210 °C	410 °F	ISO 75-1/-2

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	270 Â°C Metric	518 Â°F English	Injection Molding; ISO 294 Comments
Mold Temperature	90.0 Â°C	194 Â°F	Injection Molding; ISO 10724

Descriptive Properties	Value	Comments
Form	Pellets	
ISO Shortname	ISO 7792-1-PBT+PET,GHMR,07-190,GF55	
Processing	Injection molding	
Region	Asia Pacific	
	Europe	
	Near East/Africa	
	North America	
	South and Central America	

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