

Polyram RamSter PF303G4 PBT, 20% Glass Fiber

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

Material Notes:

20% Glass-fiber reinforced, low viscosity PBT for injection molding applications. Information provided by Polyram Ram On Ind.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamSter-PF303G4-PBT-20-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in ³	DIN 53479
Water Absorption	0.50 %	0.50 %	DIN 53495
Moisture Absorption at Equilibrium	0.10 %	0.10 %	23° C, 50% RH; DIN 53714
Linear Mold Shrinkage	0.0035 cm/cm	0.0035 in/in	
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 250 °C	20 g/10 min @Load 4.76 lb, Temperature 482 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	105 MPa	15200 psi	ASTM-D638
Elongation at Break	3.0 %	3.0 %	ASTM-D638
Flexural Strength	160 MPa	23200 psi	ASTM D790
Flexural Modulus	5.10 GPa	740 ksi	ASTM-D790
Izod Impact, Notched	0.550 J/cm @Temperature 23.0 °C	1.03 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Melting Point	225 °C	437 °F	
Deflection Temperature at 0.46 MPa (66 psi)	220 °C	428 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	210 °C	410 °F	DIN 53461
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	
Glow Wire Test	750 °C	1380 °F	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.6	3.6	VDE 0303/4
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

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