

Polyram RamSter PF300G2 PBT, 10% Glass Fiber

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 10% Glass Fiber Filled

Material Notes:

10% Glass-Fiber reinforced PBT for injection molding applicationsInformation provided by Polyram Ram On Ind.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamSter-PF300G2-PBT-10-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	DIN 53479
Water Absorption	0.50 %	0.50 %	DIN 53495
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	
Melt Flow	25 g/10 min @Load 2.16 kg, Temperature 250 °C	25 g/10 min @Load 4.76 lb, Temperature 482 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	75.0 MPa	10900 psi	ASTM-D638
Elongation at Break	3.0 %	3.0 %	ASTM-D638
Flexural Strength	110 MPa	16000 psi	ASTM D790
Flexural Modulus	4.00 GPa	580 ksi	ASTM-D790
Izod Impact, Notched	0.500 J/cm @Temperature 23.0 °C	0.937 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	

Electrical Properties	Metric	English	Comments
Surface Resistance	>= 1.00e+15 ohm	>= 1.00e+15 ohm	DIN 53482

Electrical Properties	Metric	English	Comments
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	34.0 kV/mm	864 kV/in	VDE 0303/4

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