

Polyram RamSter PF302G3 PBT, 15% Glass Fiber, UV Stabilized

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

Material Notes:

15% Glass fiber reinforced, UV stabilized PBT for injection molding application. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamSter-PF302G3-PBT-15-Glass-Fiber-UV-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	ISO 1183
Water Absorption at Saturation	0.40 %	0.40 %	ISO 62
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ISO 2577
Melt Flow	17 g/10 min @Load 2.16 kg, Temperature 250 °C	17 g/10 min @Load 4.76 lb, Temperature 482 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	100 MPa	14500 psi	ISO 527
Elongation at Break	3.5 %	3.5 %	ISO 527
Flexural Strength	140 MPa	20300 psi	ISO 178
Flexural Modulus	4.40 GPa	638 ksi	ISO 178
Izod Impact, Notched (ISO)	5.50 kJ/m ²	2.62 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	225 °C	437 °F	ISO 11357
Deflection Temperature at 0.46 MPa (66 psi)	220 °C	428 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	210 °C	410 °F	ISO 75
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	
Glow Wire Test	650 °C	1200 °F	GWIT; IEC 60695

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	IEC 60093

Electrical Properties	Metric	English	Comments
Dielectric Constant	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	IEC 60250
Dielectric Strength	34.0 kV/mm	864 kV/in	IEC 60250

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