

Polyram RamSter PF310G6 PBT Alloy, 30% Glass Fiber, UV Stabilized

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 30% Glass Fiber Filled

Material Notes:

30% Glass fiber reinforced PBT alloy, low warp properties, UV stabilized for injection molding. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamSter-PF310G6-PBT-Alloy-30-Glass-Fiber-UV-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.53 g/cc	0.0553 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	0.10 %	0.10 %	50% RH; ISO 62
Water Absorption at Saturation	0.50 %	0.50 %	ISO 62
Linear Mold Shrinkage	0.0015 - 0.0075 cm/cm	0.0015 - 0.0075 in/in	ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	140 MPa	20300 psi	ISO 527
Elongation at Break	3.0 %	3.0 %	ISO 527
Tensile Modulus	9.10 GPa	1320 ksi	ISO 527
Flexural Strength	200 MPa	29000 psi	ISO 178
Flexural Modulus	8.80 GPa	1280 ksi	ISO 178
Izod Impact, Notched (ISO)	10.0 kJ/m ²	4.76 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	225 °C	437 °F	ISO 11357
Maximum Service Temperature, Air	130 °C	266 °F	Continuous use
	200 °C	392 °F	Short peaks operation
Deflection Temperature at 0.46 MPa (66 psi)	225 °C	437 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	215 °C	419 °F	ISO 75
Flammability, UL94	HB	HB	

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

Electrical Properties

Metric

English

Comments

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