

Polyram RamSter PF340S6 PBT, 30% Glass Beads

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Glass Bead Filled

Material Notes:

30% Glass beads reinforced 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-PF340S6-PBT-30-Glass-Beads.php

Physical Properties	Metric	English	Comments
Density	1.53 g/cc	0.0553 lb/in ³	DIN 53479
Water Absorption	0.50 %	0.50 %	DIN 53495
Moisture Absorption at Equilibrium	0.15 %	0.15 %	23° C, 50% RH; DIN 53714
Linear Mold Shrinkage	0.0198 cm/cm	0.0198 in/in	
Melt Flow	15 g/10 min @Load 2.16 kg, Temperature 250 °C	15 g/10 min @Load 4.76 lb, Temperature 482 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	57.0 MPa	8270 psi	ASTM-D638
Elongation at Break	4.0 %	4.0 %	ASTM-D638
Flexural Strength	95.0 MPa	13800 psi	ASTM D790
Flexural Modulus	2.30 GPa	334 ksi	ASTM-D790
Izod Impact, Notched	0.350 J/cm @Temperature 23.0 °C	0.656 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)	210 °C	410 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	DIN 53461
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	
Glow Wire Test	650 °C	1200 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	$\geq 1.00 \times 10^{15}$ ohm-cm	$\geq 1.00 \times 10^{15}$ ohm-cm	DIN 53482
Dielectric Constant	3.6 @Frequency 1e+6 Hz	3.6 @Frequency 1e+6 Hz	VDE 0303/4
Dielectric Strength	25.0 kV/mm	635 kV/in	VDE 0303/4

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