

Polyram RamSter PE301G6 PET, 30% Glass Fiber

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), 30% Glass Reinforced

Material Notes:

30% Glass-fiber reinforced, heat stabilized PET 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-PE301G6-PET-30-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.67 g/cc	0.0603 lb/in ³	DIN 53479
Water Absorption	0.50 %	0.50 %	DIN 53495
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	135 MPa	19600 psi	ASTM-D638
Elongation at Break	3.0 %	3.0 %	ASTM-D638
Flexural Strength	200 MPa	29000 psi	ASTM D790
Flexural Modulus	9.00 GPa	1310 ksi	ASTM-D790
Izod Impact, Notched	1.00 J/cm @Temperature 23.0 °C	1.87 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Melting Point	254 °C	489 °F	
Deflection Temperature at 0.46 MPa (66 psi)	245 °C	473 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	224 °C	435 °F	DIN 53461
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.0 @Frequency 1e+6 Hz	4.0 @Frequency 1e+6 Hz	VDE 0303/4

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