

Polyram RamSter PE321G6 PET, 30% Glass Fiber, Flame Retardant

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

Material Notes:

30% Glass fiber reinforced, flame retardant V-0 PET for injection molding applications. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamSter-PE321G6-PET-30-Glass-Fiber-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.67 g/cc	0.0603 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ISO 2577
Melt Flow	6.0 g/10 min @Load 2.16 kg, Temperature 280 °C	6.0 g/10 min @Load 4.76 lb, Temperature 536 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	125 MPa	18100 psi	ISO 527
Elongation at Break	3.0 %	3.0 %	ISO 527
Tensile Modulus	11.16 GPa	1619 ksi	ISO 527
Flexural Strength	210 MPa	30500 psi	ISO 178
Flexural Modulus	10.0 GPa	1450 ksi	ISO 178
Izod Impact, Notched (ISO)	8.50 kJ/m ²	4.04 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	254 °C	489 °F	ISO 11357
Deflection Temperature at 0.46 MPa (66 psi)	245 °C	473 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	224 °C	435 °F	ISO 75
Flammability, UL94	V-0 @Thickness 3.00 mm	V-0 @Thickness 0.118 in	
Glow Wire Test	960 °C	1760 °F	GWFI; IEC 60695

Electrical Properties	Metric	English	Comments
	4.0	4.0	

Dielectric Constant	Metric	English	IEC 60250
Electrical Properties	@ Frequency 1.00e+6	@ Frequency 1.00e+6	Comments
	Hz	Hz	

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