

Polyram RamShine PV300G6 ABS, 30% Glass Fiber

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), 30% Glass Fiber Filled

Material Notes:

30% glass fiber reinforced, heat resistance and minimal mold shrinkage ABS for injection molding applications Information provided by Polyram Ram On Ind.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamShine-PV300G6-ABS-30-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in ³	DIN 53479
Water Absorption	0.12 %	0.12 %	DIN 53495
Linear Mold Shrinkage	0.0010 - 0.0020 cm/cm	0.0010 - 0.0020 in/in	
Melt Flow	8.0 g/10 min @Load 10.0 kg, Temperature 220 °C	8.0 g/10 min @Load 22.0 lb, Temperature 428 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	115	115	ASTM-D785
Tensile Strength, Yield	90.0 MPa	13100 psi	ASTM-D638
Elongation at Break	3.0 %	3.0 %	ASTM-D638
Flexural Strength	115 MPa	16700 psi	ASTM-D790
Flexural Modulus	8.00 GPa	1160 ksi	ASTM-D790
Izod Impact, Notched	0.800 J/cm @Temperature 23.0 °C	1.50 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	101 °C	214 °F	DIN 53461
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	DIN 53482
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	DIN 53482

Electrical Properties

Metric

English

Comments

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