

Polyram RamShine PW300G7 SAN, 35% Glass Fiber

Category : Polymer , Thermoplastic , SAN Polymer , Styrene Acrylonitrile (SAN), Molded, Glass Reinforced

Material Notes:

35% glass fiber reinforced SAN for very high rigidity injection molding applications Information provided by Polyram Ram On Ind.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamShine-PW300G7-SAN-35-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	DIN 53479
Water Absorption	0.10 %	0.10 %	DIN 53495
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	
Melt Flow	9.0 g/10 min @Load 10.0 kg, Temperature 200 °C	9.0 g/10 min @Load 22.0 lb, Temperature 392 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	94	94	ASTM-D785
Tensile Strength, Yield	110 MPa	16000 psi	ASTM-D638
Elongation at Break	1.5 %	1.5 %	ASTM-D638
Flexural Strength	160 MPa	23200 psi	ASTM-D790
Flexural Modulus	10.0 GPa	1450 ksi	ASTM-D790
Izod Impact, Notched	0.650 J/cm @Temperature 23.0 °C	1.22 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	110 °C	230 °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	^{3.1} Metric	^{3.1} English	Comments
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	40.0 kV/mm	1020 kV/in	VDE 0303/4

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