

Polyram RamShine PV507 ABS, Flame Retardant

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Unreinforced, Flame Retardant

Material Notes:

Flame retardant 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-PV507-ABS-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	DIN 53479
Linear Mold Shrinkage	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	
Melt Flow	5.0 g/10 min @Load 5.00 kg, Temperature 200 °C	5.0 g/10 min @Load 11.0 lb, Temperature 392 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	45.0 MPa	6530 psi	ASTM-D638
Elongation at Break	10 %	10 %	ASTM-D638
Tensile Modulus	2.30 GPa	334 ksi	ASTM-D790
Flexural Strength	70.0 MPa	10200 psi	ASTM-D790
Flexural Modulus	2.10 GPa	305 ksi	ASTM-D790
Izod Impact, Notched	2.50 J/cm @Temperature 23.0 °C	4.68 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	79.0 °C	174 °F	DIN 53461
Vicat Softening Point	86.0 °C	187 °F	ASTM-D1525
Flammability, UL94	V-0 @Thickness 3.00 mm	V-0 @Thickness 0.118 in	

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