

Polyram RamShine PS503 Polystyrene, Flame Retardant

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Flame Retardant

Material Notes:

Flame retardant, high impact polystyrene 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-PS503-Polystyrene-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in ³	DIN 53479
Linear Mold Shrinkage	0.0050 - 0.0080 cm/cm	0.0050 - 0.0080 in/in	
Melt Flow	6.0 g/10 min @Load 5.00 kg, Temperature 200 °C	6.0 g/10 min @Load 11.0 lb, Temperature 392 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	20.0 MPa	2900 psi	ASTM-D638
Elongation at Break	40 %	40 %	ASTM-D638
Tensile Modulus	1.70 GPa	247 ksi	ASTM-D790
Flexural Strength	35.0 MPa	5080 psi	ASTM-D790
Flexural Modulus	1.60 GPa	232 ksi	ASTM-D790
Izod Impact, Notched	1.20 J/cm @Temperature 23.0 °C	2.25 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-0 @Thickness 3.00 mm	V-0 @Thickness 0.118 in	

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