

## Polyram RamShine PV527 Acrylonitrile Butadiene Styrene, 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.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polyram-RamShine-PV527-Acrylonitrile-Butadiene-Styrene-Flame-Retardant.php](http://www.lookpolymers.com/polymer_Polyram-RamShine-PV527-Acrylonitrile-Butadiene-Styrene-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	ISO 2577
Melt Flow	55 - 60 g/10 min @Load 10.0 kg, Temperature 220 °C	55 - 60 g/10 min @Load 22.0 lb, Temperature 428 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	45.0 MPa	6530 psi	ISO 527
Elongation at Break	4.0 %	4.0 %	ISO 527
Tensile Modulus	2.30 GPa	334 ksi	ISO 527
Flexural Strength	75.0 MPa	10900 psi	ISO 178
Flexural Modulus	2.50 GPa	363 ksi	ISO 178
Izod Impact, Notched (ISO)	9.50 kJ/m <sup>2</sup>	4.52 ft-lb/in <sup>2</sup>	ISO 180

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	86.0 °C	187 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	79.0 °C	174 °F	ISO 75
Flammability, UL94	V-0 @Thickness 3.00 mm	V-0 @Thickness 0.118 in	
Glow Wire Test	700 °C	1290 °F	G.W.I.T.; IEC 60695
	960 °C	1760 °F	G.W.F.I.; IEC 60695

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