

Polyram RamLloy PVB702 Nylon/ABS Alloy, Impact Modified

Category : Polymer , Thermoplastic , ABS Polymer , Nylon

Material Notes:

Impact modified, UV stabilized Nylon/ABS alloy for injection molding applications. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamLloy-PVB702-NylonABS-Alloy-Impact-Modified.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	1.35 %	1.35 %	50% RH; ISO 62
Linear Mold Shrinkage	0.0080 - 0.010 cm/cm	0.0080 - 0.010 in/in	ISO 2577
Melt Flow	20 g/10 min @Load 5.00 kg, Temperature 250 °C	20 g/10 min @Load 11.0 lb, Temperature 482 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	35.0 MPa	5080 psi	ISO 527
Elongation at Break	30 %	30 %	ISO 527
Tensile Modulus	1.70 GPa	247 ksi	ISO 527
Flexural Strength	60.0 MPa	8700 psi	ISO 178
Flexural Modulus	1.48 GPa	215 ksi	ISO 178
Izod Impact, Notched (ISO)	60.0 kJ/m ²	28.6 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	80.0 °C	176 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	ISO 75
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	IEC 60093
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	IEC 60093

Electrical Properties	Metric	English	Comments
Dielectric Constant	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	IEC 60250

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