

Polyram RamLloy B001 Nylon 6/Polyolefin Alloy, Impact Modified

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Nylon 6/Polyolefin alloy, reduction of water absorption, impact modified, for injection molding applications. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamLloy-B001-Nylon-6Polyolefin-Alloy-Impact-Modified.php

Physical Properties	Metric	English	Comments
Density	1.03 - 1.05 g/cc	0.0372 - 0.0379 lb/in ³	ISO 1183
Water Absorption at Saturation	3.3 %	3.3 %	ISO 62
Linear Mold Shrinkage	0.013 cm/cm	0.013 in/in	ISO 2577
Melt Flow	10 g/10 min @Load 10.0 kg, Temperature 235 °C	10 g/10 min @Load 22.0 lb, Temperature 455 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	50.0 MPa	7250 psi	ISO 527
Elongation at Break	180 %	180 %	ISO 527
Tensile Modulus	1.80 GPa	261 ksi	ISO 527
Flexural Strength	70.0 MPa	10200 psi	ISO 178
Flexural Modulus	2.00 GPa	290 ksi	ISO 178
Izod Impact, Notched (ISO)	50.0 kJ/m ²	23.8 ft-lb/in ²	ISO 180
Charpy Impact, Notched	3.00 J/cm ²	14.3 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO 11357
Deflection Temperature at 0.46 MPa (66 psi)	130 °C	266 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	ISO 75
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

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