

Polyram RamLloy PJ702 ASA & ABS Alloy

Category : Polymer , Thermoplastic , ABS Polymer , ASA Polymer

Material Notes:

A general purpose injection molding ASA & ABS alloy. It has good mechanical properties similar to ABS with much better weather resistance. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamLloy-PJ702-ASA-ABS-Alloy.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ISO 2577
Melt Flow	15 g/10 min @Load 2.10 kg, Temperature 220 °C	15 g/10 min @Load 4.63 lb, Temperature 428 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	45.0 MPa	6530 psi	ISO 527
Elongation at Break	90 %	90 %	ISO 527
Tensile Modulus	1.80 GPa	261 ksi	ISO 527
Flexural Strength	65.0 MPa	9430 psi	ISO 178
Flexural Modulus	2.00 GPa	290 ksi	ISO 178
Izod Impact, Notched (ISO)	30.0 kJ/m ²	14.3 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	104 °C	219 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	96.0 °C	205 °F	ISO 75
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	IEC 60093

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