

Polyram RamOfin RPPC711 Polypropylene, UV Stabilized

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

UV stabilized polypropylene copolymer for injection molding applications Information provided by Polyram Ram On Ind.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamOfin-RPPC711-Polypropylene-UV-Stabilized.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	DIN 53479
Water Absorption	>= 0.030 %	>= 0.030 %	
Linear Mold Shrinkage	0.012 - 0.025 cm/cm	0.012 - 0.025 in/in	
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 230 °C	20 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	80	80	ASTM-D785
Tensile Strength, Yield	22.0 MPa	3190 psi	ASTM-D638
Elongation at Break	25 %	25 %	ASTM-D638
Flexural Modulus	1.35 GPa	196 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
Deflection Temperature at 1.8 MPa (264 psi)	82.0 °C	180 °F	DIN 53461
Vicat Softening Point	150 °C	302 °F	ASTM-D1525

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+17 ohm-cm	1.00e+17 ohm-cm	DIN 53482
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	DIN 53482
Dielectric Constant	2.3 @Frequency 1e+6 Hz	2.3 @Frequency 1e+6 Hz	VDE 0303/4

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