

Polyram RamOfin PPC500 Polypropylene, Flame Retardant

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Flame Retardant

Material Notes:

Flame retardant polypropylene 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-PPC500-Polypropylene-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	DIN 53479
Linear Mold Shrinkage	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	
Melt Flow	9.0 g/10 min @Load 2.16 kg, Temperature 190 °C	9.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	22.0 MPa	3190 psi	ASTM-D638
Elongation at Break	5.0 %	5.0 %	ASTM-D638
Tensile Modulus	2.10 GPa	305 ksi	ASTM-D790
Flexural Strength	36.0 MPa	5220 psi	ASTM D790
Flexural Modulus	2.00 GPa	290 ksi	ASTM-D790
Izod Impact, Notched	1.00 J/cm @Temperature 23.0 °C	1.87 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	
Flammability, UL94	V-0 @Thickness 3.00 mm	V-0 @Thickness 0.118 in	

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