

Polyram RamLloy PA917G6 PP/NYLON 66 alloy, 30% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Polypropylene (PP)

Material Notes:

30% glass fiber reinforced PA66/PP alloy with reduced water absorption, dimensional stability and UV stabilized for injection molding applications
Information provided by Polyram Ram On Ind.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamLloy-PA917G6-PPNYLON-66-alloy-30-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in ³	DIN 53479
Water Absorption	3.0 %	3.0 %	DIN 53495
Moisture Absorption at Equilibrium	1.2 %	1.2 %	DIN 53714
Linear Mold Shrinkage	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	121	121	ASTM-D785
Tensile Strength, Yield	145 MPa	21000 psi	ASTM-D638
Elongation at Break	3.0 %	3.0 %	ASTM-D638
Flexural Strength	195 MPa	28300 psi	ASTM-D790
Flexural Modulus	5.70 GPa	827 ksi	ASTM-D790
Izod Impact, Notched	1.30 J/cm @Temperature 23.0 °C	2.44 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Melting Point	256 °C	493 °F	
Maximum Service Temperature, Air	80.0 °C	176 °F	Continuous Use
	150 °C	302 °F	Short peaks operation
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

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