

Polyram PB330I8 Nylon 6, 40% Mineral/Glass Filled Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 40% Mineral Filled

Material Notes:

Information provided by Polymer Technology and Services, LLC (PTS).

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-PB330I8-Nylon-6-40-MineralGlass-Filled-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/in ³	DIN 53479
Linear Mold Shrinkage	0.0025 cm/cm	0.0025 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	122	122	ASTM D785
Tensile Strength, Yield	120 MPa @Thickness 3.17 mm	17400 psi @Thickness 0.125 in	ASTM D638
Elongation at Break	3.5 % @Thickness 3.17 mm	3.5 % @Thickness 0.125 in	ASTM D638
Flexural Strength	250.0 MPa @Thickness 3.17 mm	36260 psi @Thickness 0.125 in	ASTM D790
Flexural Modulus	7.52 GPa @Thickness 3.17 mm	1090 ksi @Thickness 0.125 in	ASTM D790
Izod Impact, Notched	0.497 J/cm @Thickness 3.17 mm	0.930 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	218 °C	424 °F	ASTM D789
Maximum Service Temperature, Air	110 °C	230 °F	Continuous
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

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