

## Pasargad Polymer Peyvand Pasamid 3P-H1150B Nylon 6, 50% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 50% Glass Fiber Filled

### Material Notes:

Form: Pellets Processing Method: Injection Molding Uses: Automotive Application Furniture Appliance Components Electrical

Parts Fastener Housing Information provided by Pasargad Polymer Peyvand Co

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Pasargad-Polymer-Peyvand-Pasamid-3P-H1150B-Nylon-6-50-Glass-Fiber-Reinforced.php](http://www.lookpolymers.com/polymer_Pasargad-Polymer-Peyvand-Pasamid-3P-H1150B-Nylon-6-50-Glass-Fiber-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.55 g/cc	0.0560 lb/in <sup>3</sup>	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	170 MPa	24700 psi	ISO 527-2
Elongation at Break	2.0 %	2.0 %	ISO 527-2
Tensile Modulus	9.40 GPa	1360 ksi	ISO 527-2
Charpy Impact Unnotched	9.00 J/cm <sup>2</sup>	42.8 ft-lb/in <sup>2</sup>	ISO 179/1eU
Charpy Impact, Notched	1.40 J/cm <sup>2</sup>	6.66 ft-lb/in <sup>2</sup>	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO 11357-3
Deflection Temperature at 1.8 MPa (264 psi)	229 °C	444 °F	Unannealed; ISO 75-2/C

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	235 - 275 °C	455 - 527 °F	
Drying Temperature	90.0 °C	194 °F	
Dry Time	2.00 - 4.00 hour	2.00 - 4.00 hour	

Descriptive Properties	Value	Comments
Color	Black	

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