

PTS PPE/Nylon Alloy 10% Glass Filled

Category : Polymer , Thermoplastic , Nylon , Polyphenylene Ether/PPO , Polyphenylene Ether, 10% Glass Filled

Material Notes:

Information provided by PTS LLC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PTS-PPENylon-Alloy-10-Glass-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.16 g/cc	1.16 g/cc	ASTM D792
Linear Mold Shrinkage	0.0070 cm/cm	0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	79.3 MPa	11500 psi	ASTM D638
Elongation at Break	12 %	12 %	ASTM D638
Flexural Strength	139 MPa	20200 psi	ASTM D792
Flexural Modulus	3.59 GPa	521 ksi	ASTM D792
Izod Impact, Notched	0.747 J/cm @Thickness 3.17 mm	1.40 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	240.5 °C	464.9 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	207.2 °C	405.0 °F	ASTM D648

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