

PTS PPE-LXS 314-30 PPE-HIPS, 30% Glass Filled

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polystyrene (PS) , Polystyrene + Polyphenylene Ether, Glass Filler

Material Notes:

Typical Applications: Water industrial parts
Information provided by PTS LLC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PTS-PPE-LXS-314-30-PPE-HIPS-30-Glass-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.35 g/cc	1.35 g/cc	ASTM D792
Water Absorption	0.10 % @Temperature 23.0 °C, Time 86400 sec	0.10 % @Temperature 73.4 °F, Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	ASTM D955
Melt Flow	15 g/10 min @Load 5.00 kg, Temperature 300 °C	15 g/10 min @Load 11.0 lb, Temperature 572 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	110 MPa	16000 psi	type I; ASTM D638
Elongation at Break	6.0 %	6.0 %	type I; ASTM D638
Flexural Strength	160 MPa	23200 psi	2.6 mm/min; ASTM D790
Flexural Modulus	5.50 GPa	798 ksi	2.6 mm/min; ASTM D790
Izod Impact, Notched (ISO)	14.0 kJ/m ²	6.66 ft-lb/in ²	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	135 °C @Thickness 6.40 mm	275 °F @Thickness 0.252 in	ASTM D648

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