

PTS PPE-LXS 314-20 PPE-HIPS, 20% 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-314-20-PPE-HIPS-20-Glass-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.25 g/cc	1.25 g/cc	ASTM D792
Water Absorption	0.10 %	0.10 %	ASTM D570
	@Temperature 23.0 °C, Time 86400 sec	@Temperature 73.4 °F, Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	ASTM D955
Melt Flow	18 g/10 min	18 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 300 °C	@Load 11.0 lb, Temperature 572 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	90.0 MPa	13100 psi	type I; ASTM D638
Elongation at Break	8.0 %	8.0 %	type I; ASTM D638
Flexural Strength	140 MPa	20300 psi	2.6 mm/min; ASTM D790
Flexural Modulus	4.20 GPa	609 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)	130 °C	266 °F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	

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