

PTS PPE-LXS112 PPE-PS

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

Material Notes:

Typical Applications: PV Industrial parts UL94 V-0 Flame Retardant Information provided by PTS LLC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PTS-PPE-LXS112-PPE-PS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 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	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D955
Melt Flow	40 g/10 min	40 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	60.0 MPa	8700 psi	type I; ASTM D638
Elongation at Break	25 %	25 %	type I; ASTM D638
Flexural Strength	90.0 MPa	13100 psi	2.6 mm/min; ASTM D790
Flexural Modulus	2.35 GPa	341 ksi	2.6 mm/min; ASTM D790
Izod Impact, Notched (ISO)	16.0 kJ/m ²	7.61 ft-lb/in ²	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	120 °C	248 °F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Flammability, UL94	V-0	V-0	
	@Thickness 3.20 mm	@Thickness 0.126 in	
	V-0	V-0	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	V-0	V-0	
	@Thickness 0.800 mm	@Thickness 0.0315 in	

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