

PTS PPE-LXS110 PPE-PS

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

Material Notes:

Typical Applications: Electrical partsUL94 V-0 Flame RetardantInformation provided by PTS LLC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PTS-PPE-LXS110-PPE-PS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 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	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D955
Melt Flow	50 g/10 min @Load 5.00 kg, Temperature 300 °C	50 g/10 min @Load 11.0 lb, Temperature 572 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	52.0 MPa	7540 psi	type I; ASTM D638
Elongation at Break	30 %	30 %	type I; ASTM D638
Flexural Strength	85.0 MPa	12300 psi	2.6 mm/min; ASTM D790
Flexural Modulus	2.15 GPa	312 ksi	2.6 mm/min; ASTM D790
Izod Impact, Notched (ISO)	18.0 kJ/m ²	8.57 ft-lb/in ²	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	100 °C @Thickness 6.40 mm	212 °F @Thickness 0.252 in	ASTM D648
Flammability, UL94	V-0 @Thickness 3.20 mm	V-0 @Thickness 0.126 in	
	V-0 @Thickness 1.60 mm	V-0 @Thickness 0.0630 in	

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