

BLUESTAR LXS 312 PPE-HIPS, 20% Mineral Filled

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

Material Notes:

Typical Applications: LED shell Information provided by Polymer Technology and Services, LLC (PTS).

Order this product through the following link:

http://www.lookpolymers.com/polymer_BLUESTAR-LXS-312-PPE-HIPS-20-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 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	30 g/10 min @Load 5.00 kg, Temperature 300 °C	30 g/10 min @Load 11.0 lb, Temperature 572 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	50.0 MPa	7250 psi	type I; ASTM D638
Elongation at Break	40 %	40 %	type I; ASTM D638
Flexural Strength	82.0 MPa	11900 psi	2.6 mm/min; ASTM D790
Flexural Modulus	2.30 GPa	334 ksi	2.6 mm/min; ASTM D790
Izod Impact, Notched (ISO)	12.0 kJ/m ²	5.71 ft-lb/in ²	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	120 °C @Thickness 6.40 mm	248 °F @Thickness 0.252 in	ASTM D648

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