

Shinil Chemical SHINSTR A PBT SBV1015 Structural Polymer Lamp Housing

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

SHINSTR A is the product line of structural polymer compound which exhibits excellent physical, mechanical, and thermal properties. Shinil uses the state-of-the-art dispersion and blending technology with a variety of polymers to produce high performance SHINSTR A compound. SHINSTR A compounds are designed by alloying engineering thermoplastics or mineral reinforcing or fiber reinforcing or hybrid filler reinforcing. SHINSTR A are tailored to control the mechanical and physical properties according to its application or customer demand. SHINSTR A are often used to replace metal parts.

Feature and Benefits
 Excellent impact resistance
 High scratch resistance
 Outstanding abrasion resistance
 Excellent chemical resistance
 Excellent mechanical properties
 Improved thermal properties
 Easy processing
 Lighter weight
 Cost effective

Information Provided by Shinil Chemical Industry Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shinil-Chemical-SHINSTR A-PBT-SBV1015-Structural-Polymer-Lamp-Housing.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.52 g/cc	1.52 g/cc	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	108 MPa	15600 psi	
Elongation at Break	4.0 %	4.0 %	
Flexural Strength	156.96 MPa	22765 psi	
Flexural Modulus	6.18 GPa	896 ksi	
Izod Impact, Notched	0.500 J/cm	0.937 ft-lb/in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	120 Å°C	248 Å°F	

Processing Properties	Metric	English	Comments
Processing Temperature	230 Å°C	446 Å°F	

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