

Shinil Chemical SHINSTRA PA-66 W100SRB Structural Polymer Abrasion Resistance

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

SHINSTRA 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 SHINSTRA compound. SHINSTRA compounds are designed by alloying engineering thermoplastics or mineral reinforcing or fiber reinforcing or hybrid filler reinforcing. SHINSTRA are tailored to control the mechanical and physical properties according to its application or customer demand. SHINSTRA 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-SHINSTRA-PA-66-W100SRB-Structural-Polymer-Abrasion-Resistance.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	84.8 MPa	12300 psi	
Elongation at Break	3.3 %	3.3 %	
Flexural Strength	118.7 MPa	17220 psi	
Flexural Modulus	2.97 GPa	431 ksi	
Izod Impact, Notched	0.324 J/cm	0.606 ft-lb/in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	75.0 Â°C	167 Â°F	

Processing Properties	Metric	English	Comments
Processing Temperature	240 Â°C	464 Â°F	

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