

Shinil Chemical SHINSTR A PP SE3501 Structural Polymer Bumper

Category : Polymer , Thermoplastic , Polypropylene (PP)

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-PP-SE3501-Structural-Polymer-Bumper.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.01 g/cc	1.01 g/cc	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	24.5 MPa	3560 psi	
Elongation at Break	480 %	480 %	
Flexural Strength	24.525 MPa	3557.1 psi	
Flexural Modulus	1.47 GPa	213 ksi	
Izod Impact, Notched	NB	NB	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	110 Å°C	230 Å°F	

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

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