

Shakespeare Isocorâ„¸ TT52SI Nylon 6 Terpolymer

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

Material Notes:

Isocorâ„¸ TT52SI multi-polymer is a linear polyamide with unique solubility characteristics and physical properties. Isocorâ„¸ TT52SI is easily processed and has a wide range of applications due to its physical properties, chemical resistance, and lower melt temperatures.

Used for polymer additives, pigment carriers, and specialty adhesives. Information provided by Shakespeare Company.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shakespeare-Isocor-TT52SI-Nylon-6-Terpolymer.php

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in ³	ASTM D 792
Water Absorption	3.5 %	3.5 %	24 hour immersion; ASTM D 570

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	73	73	ASTM D 2240
Tensile Strength, Yield	69.0 MPa	10000 psi	ASTM D 638
Elongation at Break	420 %	420 %	ASTM D 638
Flexural Modulus	0.352 GPa	51.0 ksi	ASTM D 790

Thermal Properties	Metric	English	Comments
Melting Point	141 Â°C	286 Â°F	DSC

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	ASTM D 257

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