

Shakespeare Isocorâ„¸ 651 Nylon 6 Terpolymer

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

Material Notes:

Isocorâ„¸ 651 multi-polymer is a linear polyamide with unique solubility characteristics and physical properties. Unlike conventional polyamides, Isocorâ„¸ 651 is soluble in common alcohols or in alcohol/water mixtures. Isocorâ„¸ 651 is easily processed and has a wide range of applications due to its physical properties, chemical resistance, and lower melt temperatures. Used for thread bonding, specialty coatings, pigment carriers, and specialty adhesives. Information provided by Shakespeare Company.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shakespeare-Isocor-651-Nylon-6-Terpolymer.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	ASTM D 792
Water Absorption	2.5 %	2.5 %	24 hour immersion; ASTM D 570

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	ASTM D 2240
Tensile Strength, Yield	50.0 MPa	7250 psi	ASTM D 638
Elongation at Break	350 %	350 %	ASTM D 638
Flexural Modulus	0.179 GPa	26.0 ksi	ASTM D 790

Thermal Properties	Metric	English	Comments
Melting Point	154 Â°C	309 Â°F	DSC

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	ASTM D 257

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