

## Shakespeare Isocorâ„¸ 637 Nylon 6 Terpolymer

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

### Material Notes:

Isocorâ„¸ 637 multi-polymer is a linear polyamide with unique solubility characteristics and physical properties. Unlike conventional polyamides, Isocorâ„¸ 637 is soluble in common alcohols or in alcohol/water mixtures. Isocorâ„¸ 637 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, specialty adhesives, and polymer additives. Information provided by Shakespeare Company.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Shakespeare-Isocor-637-Nylon-6-Terpolymer.php](http://www.lookpolymers.com/polymer_Shakespeare-Isocor-637-Nylon-6-Terpolymer.php)

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in <sup>3</sup>	ASTM D 792
Water Absorption	3.5 %	3.5 %	24 hour immersion; ASTM D 570

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	62	62	ASTM D 2240
Tensile Strength, Yield	48.0 MPa	6960 psi	ASTM D 638
Elongation at Break	360 %	360 %	ASTM D 638
Flexural Modulus	0.179 GPa	26.0 ksi	ASTM D 790

Thermal Properties	Metric	English	Comments
Melting Point	145 Â°C	293 Â°F	DSC

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

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China