

Shakespeare Isocorâ„¸ 653 Nylon 6 Terpolymer

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

Material Notes:

Isocorâ„¸ 653 multi-polymer is a linear polyamide with unique solubility characteristics and physical properties. Isocorâ„¸ 653 is easily processed and has a wide range of applications due to its physical properties, chemical resistance, and lower melt temperatures. Used for film extrusion, pigment carriers, and specialty adhesives. Information provided by Shakespeare Company.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shakespeare-Isocor-653-Nylon-6-Terpolymer.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	ASTM D 792
Water Absorption	3.5 %	3.5 %	24 hour immersion; ASTM D 570
Linear Mold Shrinkage	0.015 cm/cm @Thickness 3.17 mm	0.015 in/in @Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	73	73	ASTM D 2240
Tensile Strength, Yield	25.0 MPa	3630 psi	ASTM D 638
Elongation at Break	>= 350 %	>= 350 %	ASTM D 638
Flexural Modulus	0.621 GPa	90.0 ksi	ASTM D 790
Izod Impact, Notched	1.60 J/cm	3.00 ft-lb/in	ASTM D 256
	0.427 J/cm @Temperature -40.0 Â°C	0.800 ft-lb/in @Temperature -40.0 Â°F	ASTM D 648

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