

Shakespeare Isocor™ CN30BT Nylon 610

Category : Polymer , Thermoplastic , Nylon , Nylon 610

Material Notes:

Isocor™ CN30BT is a medium viscosity PA-610 based copolymer. This transparent nylon resin is specifically suited for applications requiring increased solvent resistance and clarity. Isocor™ CN30BT is also used in applications requiring high modulus and low temperature impact properties. This resin can be processed with conventional techniques. Used for injection molding and film extrusion. Information provided by Shakespeare Company.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shakespeare-Isocor-CN30BT-Nylon-610.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ASTM D 792
Water Absorption	0.28 %	0.28 %	24 hour immersion; ASTM D 570
Linear Mold Shrinkage	0.0030 cm/cm @Thickness 3.17 mm	0.0030 in/in @Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	67.6 MPa	9800 psi	ASTM D 638
Tensile Modulus	2.30 GPa	333 ksi	ASTM D 638
Izod Impact, Notched	0.587 J/cm	1.10 ft-lb/in	ASTM D 256

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	73.0 °C	163 °F	ASTM D 3418

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

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