

Shakespeare Isocor™ HW29TL Nylon 610

Category : Polymer , Thermoplastic , Nylon , Nylon 610

Material Notes:

Isocor™ HW29TL is an ultra low viscosity PA-610 with excellent melt flow characteristics. Isocor™ HW29TL is specifically formulated for thin wall or high speed injection molding applications. This resin is suitable for applications requiring low moisture absorption and greater dimensional stability. This resin can be processed using conventional techniques. Used for thin-wall injection molding, electrical connectors, small parts-high output. Information provided by Shakespeare Company.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shakespeare-Isocor-HW29TL-Nylon-610.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	ASTM D 792
Linear Mold Shrinkage	0.011 cm/cm @Thickness 3.17 mm	0.011 in/in @Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	60.0 MPa	8700 psi	ASTM D 638
Elongation at Break	100 %	100 %	ASTM D 638
Flexural Modulus	2.00 GPa	290 ksi	ASTM D 790
Izod Impact, Notched	0.481 J/cm	0.900 ft-lb/in	ASTM D 256
Taber Abrasion, mg/1000 Cycles	6.0	6.0	ASTM D 1044

Thermal Properties	Metric	English	Comments
Melting Point	215 °C	419 °F	DSC
Deflection Temperature at 0.46 MPa (66 psi)	175 °C	347 °F	ASTM D 648
Deflection Temperature at 1.8 MPa (264 psi)	66.0 °C	151 °F	ASTM D 648

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