

Shakespeare Isocorâ„¸ HW115SI Nylon 610

Category : Polymer , Thermoplastic , Nylon , Nylon 610

Material Notes:

Isocorâ„¸ HW115SI is a high viscosity PA-610. This resin is specifically suited for applications requiring low moisture absorption and greater dimensional stability, and improved abrasion resistance. This resin can be processed using conventional techniques. Used for cable jacketing, monofilaments / bristles, film extrusions, and automotive tubing. Information provided by Shakespeare Company.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shakespeare-Isocor-HW115SI-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	0.011 in/in	
	@Thickness 3.17 mm	@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 Â°C	419 Â°F	DSC
Deflection Temperature at 0.46 MPa (66 psi)	175 Â°C	347 Â°F	ASTM D 648
Deflection Temperature at 1.8 MPa (264 psi)	66.0 Â°C	151 Â°F	ASTM D 648

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