

Shakespeare Isocor™ HW69SI Nylon 610

Category : Polymer , Thermoplastic , Nylon , Nylon 610

Material Notes:

Isocor™ HW69SI is a medium viscosity PA-610. This resin is specifically suited for applications requiring low moisture absorption and greater dimensional stability. Isocor™ HW69SI is also used in applications requiring good electrical insulation properties. This resin can be processed using conventional techniques. Used for cable jacketing, monofilaments / bristles, film extrusions, electrical connectors, and automotive tubing. Information provided by Shakespeare Company.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shakespeare-Isocor-HW69SI-Nylon-610.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	ASTM D 792

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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