

Shakespeare Isocorâ„¸ HG20SC Nylon 612

Category : Polymer , Thermoplastic , Nylon , Nylon 610 , Nylon 610, Carbon Fiber Filled , Nylon 612

Material Notes:

Isocorâ„¸ HG20SC us a medium viscosity compounding grad PA-612 based nylon. This resin is specifically suited for applications requiring lower moisture regain and greater dimensional stability. Isocorâ„¸ HG20SC is used in applications requiring good electrical insulation properties. This resin can be processed with conventional techniques. Used for injection molding, automotive, lawn and garden, tubing, and films. Information provided by Shakespeare Company.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shakespeare-Isocor-HG20SC-Nylon-612.php

Physical Properties	Metric	English	Comments
Density	1.039 g/cc	0.03754 lb/inÂ³	ASTM D 792
Linear Mold Shrinkage	0.012 cm/cm @Thickness 3.17 mm	0.012 in/in @Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	31.4 MPa	4560 psi	ASTM D 638
Tensile Modulus	2.30 GPa	333 ksi	ASTM D 638
Izod Impact, Notched	0.366 J/cm	0.685 ft-lb/in	ASTM D 256
Gardner Impact	36.2 J @Temperature 23.0 Â°C	26.7 ft-lb @Temperature 73.4 Â°F	ASTM 5420

Thermal Properties	Metric	English	Comments
Melting Point	218 Â°C	424 Â°F	ASTM D 3418-97

Processing Properties	Metric	English	Comments
Moisture Content	0.17 %	0.17 %	ASTM D 570-95

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