

Suzhou Hipro Polymers Hiprolon® 90 NN Nylon 612, condition

Category : Polymer , Thermoplastic , Nylon , Nylon 612

Material Notes:

Hiprolon® 90 NN is medium viscosity polyamide 6.12. Features: low density, low water absorption, high dimension stability, high impact and notched impact resistance, good chemical resistance and transparency. It is widely used as neat resin for further compounding, general injection molding and filament extrusion. Information provided by Suzhou Hipro Polymers Co. Ltd

Order this product through the following link:

http://www.lookpolymers.com/polymer_Suzhou-Hipro-Polymers-Hiprolon-90-NN-Nylon-612-condition.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	ISO 1183
Water Absorption	1.01 %	1.01 %	ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	53.0 MPa	7690 psi	ISO 527-1/-2
Elongation at Break	>= 50 %	>= 50 %	ISO 527-2/1A
Tensile Modulus	1.70 GPa	247 ksi	ISO 527-1/-2
Flexural Modulus	1.80 GPa	261 ksi	ISO 178
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	NB	NB	ISO 179/1eU
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	0.600 J/cm ²	2.86 ft-lb/in ²	ISO 179/1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	0.900 J/cm ²	4.28 ft-lb/in ²	ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	215 °C	419 °F	ISO 11357

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