

Suzhou Hipro Polymers Hiprolon® 200 NN Nylon 1010, conditioned

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Nylon

Material Notes:

Hiprolon® 200 NN is a medium viscosity polyamide 10,10 with neat resin based on bio-renewable resource. It features low density, low water absorption, good cold impact resistance, good wear-resistance and flow ability. It is widely used as neat resin for compounding, general injection molding process, tubing or film extrusion, powder coating, et al. Information provided by Suzhou Hipro Polymers Co. Ltd

Order this product through the following link:

http://www.lookpolymers.com/polymer_Suzhou-Hipro-Polymers-Hiprolon-200-NN-Nylon-1010-conditioned.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ISO 1183
Water Absorption	0.70 %	0.70 %	ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	50.0 MPa	7250 psi	ISO 527-1/-2
Elongation at Break	>= 50 %	>= 50 %	ISO 527-2/1A
Tensile Modulus	1.50 GPa	218 ksi	ISO 527-1/-2
Flexural Modulus	1.20 GPa	174 ksi	ISO 178
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	NB	NB	ISO 179/1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	0.800 J/cm ²	3.81 ft-lb/in ²	ISO 179/1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	1.10 J/cm ²	5.23 ft-lb/in ²	ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	202 °C	396 °F	ISO 11357

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