

Suzhou Hipro Polymers Hiprolon® 11ESNNHL P20 Nylon, conditioned

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Nylon , Nylon 11 , Nylon 11, Cable Sheathing Grade

Material Notes:

Hiprolon® 11ESNNHL P20 long chain polyamide compound contains a bio-renewable resource. It features low density, low water absorbing, high dimension stability and heat stability, high cold impact resistance, high burst pressure, low gasoline permeation, and good chemical resistance. It is widely used for auto fuel lines, air brake tubing, cable sheathing et al and meets ISO 7628, DIN 73378, DIN 74324 standards in automotive industry. Information provided by Suzhou Hipro Polymers Co. Ltd

Order this product through the following link:

http://www.lookpolymers.com/polymer_Suzhou-Hipro-Polymers-Hiprolon-11ESNNHL-P20-Nylon-conditioned.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ISO 1183
Water Absorption	1.8 %	1.8 %	ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	29.0 MPa	4210 psi	ISO 527-1/-2
Tensile Modulus	0.440 GPa	63.8 ksi	ISO 527-1/-2
Charpy Impact Unnotched	NB	NB	ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	NB	NB	ISO 179/1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	0.900 J/cm ²	4.28 ft-lb/in ²	ISO 179/1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	NB	NB	ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	187 °C	369 °F	ISO 11357-1/-3

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	ISO 60093

Processing Properties	Metric	English	Comments
Melt Temperature	190 - 250 Â°C	374 - 482 Â°F	
Drying Temperature	80.0 - 90.0 Â°C	176 - 194 Â°F	
Dry Time	4 hour	4 hour	
Moisture Content	<= 0.10 %	<= 0.10 %	

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