

Suzhou Hipro Polymers Hiprolon® 11ESNNHL P40 Nylon, conditioned

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

Material Notes:

Hiprolon® 11ESNNHL P40 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-P40-Nylon-conditioned.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ISO 1183
Water Absorption	1.6 %	1.6 %	ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	25.0 MPa	3630 psi	ISO 527-1/-2
Tensile Modulus	0.360 GPa	52.2 ksi	ISO 527-1/-2
Charpy Impact Unnotched	NB	NB	ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	NB	NB	ISO 179/1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	0.700 J/cm ²	3.33 ft-lb/in ²	ISO 179/1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	NB	NB	ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	182 °C	360 °F	ISO 11357-1/-3

Processing Properties	Metric	English	Comments
Melt Temperature	190 - 250 °C	374 - 482 °F	
Drying Temperature	80.0 - 90.0 °C	176 - 194 °F	

Processing Properties Dry Time	Metric 4 HOUR	English 4 HOUR	Comments
Moisture Content	<= 0.10 %	<= 0.10 %	

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