

Suzhou Hipro Polymers Hiprolon® 211 ESNHL P40 Nylon

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

Material Notes:

Hiprolon® 211 ESNHL P40 is a long chain polyamide compound from bio-renewable resource. It features low density, low water absorption, high dimension stability, high cold impact resistance, high burst pressure, low gasoline permeation, 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-211-ESNHL-P40-Nylon.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ASTM D792
Water Absorption	0.90 %	0.90 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	78	78	dry; ASTM D785
Tensile Strength, Ultimate	65.0 MPa	9430 psi	D 638
Elongation at Break	360 %	360 %	ASTM D638
Flexural Modulus	0.320 GPa	46.4 ksi	ASTM D790
Charpy Impact, Notched	NB	NB	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	182 °C	360 °F	50% RH; DSC
Deflection Temperature at 1.8 MPa (264 psi)	45.0 °C	113 °F	ASTM D648
Flammability, UL94	V-2	V-2	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	210 - 270 °C	410 - 518 °F	
Drying Temperature	80.0 - 90.0 °C	176 - 194 °F	
Dry Time	4 hour	4 hour	

Processing Properties	Metric %	English %	Comments
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