

BASF Ultramid® HFX 37 PA6 (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

Material Notes:

Description: Ultramid HFX 37 is a polyamide specialty extrusion resin combining high flexibility, excellent burst performance and outstanding chemical resistance. It offers high melt strength and enhanced heat stability. Applications: Ultramid HFX 37 is recommended for tubing applications requiring an outstanding balance of flexibility, chemical and heat resistance and burst performance. Information provided by BASF

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultramid-HFX-37-PA6-Dry.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	48.0 MPa	6960 psi	ISO 527
Elongation at Break	200 %	200 %	Nominal; ISO 527
Flexural Modulus	0.750 GPa	109 ksi	ISO 178
Izod Impact, Notched (ISO)	104 kJ/m ²	49.5 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO 3146

Processing Properties	Metric	English	Comments
Zone 1	225 - 245 °C	437 - 473 °F	Rear
Zone 2	225 - 250 °C	437 - 482 °F	Middle
Zone 3	225 - 245 °C	437 - 473 °F	Front
Zone 4	230 - 245 °C	446 - 473 °F	Head
Zone 5	230 - 245 °C	446 - 473 °F	Flange
Die Temperature	230 - 245 °C	446 - 473 °F	
Melt Temperature	225 - 245 °C	437 - 473 °F	
Dry Time	2 - 4 hour	2 - 4 hour	
Moisture Content	<= 0.10 %	<= 0.10 %	

Descriptive Properties	Value	Comments
Commercial Status	North America	

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