

BASF Ultramid® HFX 35 PA6 (Dry)

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

Material Notes:

Description: Ultramid HFX 35 is a polyamide specialty extrusion resin combining high flexibility, outstanding chemical resistance and enhanced heat stability. Applications: Ultramid HFX 35 is recommended for pipe and tubing applications requiring high melt strength and flexibility. Information provided by BASF

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultramid-HFX-35-PA6-Dry.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 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
Elongation at Yield	30 %	30 %	ISO 527
Tensile Modulus	1.18 GPa	171 ksi	ISO 527
Flexural Modulus	1.05 GPa	152 ksi	ISO 178
Charpy Impact, Notched	1.20 J/cm ²	5.71 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	48.0 °C	118 °F	ISO 75

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	

Processing Properties	Metricur	Englishur	Comments
Moisture Content	<= 0.10 %	<= 0.10 %	

Descriptive Properties	Value	Comments
Commercial Status	North America	

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