

## BASF Ultramid® HFX 33 PA6 (Dry)

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

### Material Notes:

Description: Ultramid HFX 33 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 33 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-33-PA6-Dry.php](http://www.lookpolymers.com/polymer_BASF-Ultramid-HFX-33-PA6-Dry.php)

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

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	38.0 MPa	5510 psi	ISO 527
Elongation at Break	160 %	160 %	Nominal; ISO 527
Tensile Modulus	0.494 GPa	71.6 ksi	ISO 527
Flexural Modulus	0.480 GPa	69.6 ksi	ISO 178
Izod Impact, Notched (ISO)	101 kJ/m <sup>2</sup>	48.1 ft-lb/in <sup>2</sup>	ISO 180
Charpy Impact, Notched	11.7 J/cm <sup>2</sup>	55.7 ft-lb/in <sup>2</sup>	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	40.0 °C	104 °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 Processing Properties	225 - 245 °C Metric	437 - 473 °F English	Comments
Dry Time	2 - 4 hour	2 - 4 hour	
Moisture Content	<= 0.10 %	<= 0.10 %	

Descriptive Properties	Value	Comments
Commercial Status	North America	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China