

Ultramid® HFX 37

Polyamide 6

BASF Corporation

Message:

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.

General Information			
Features	Good melt strength		
	Good flexibility		
	Good chemical resistance		
	Thermal stability, good		
Uses	Pipe fittings		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	48.0	MPa	ISO 527-2
Nominal Tensile Strain at Break (23°C)	200	%	ISO 527-2
Flexural Modulus (23°C)	750	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	100	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	220	°C	ISO 3146
Extrusion	Nominal Value	Unit	
Drying Temperature	65.0	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Moisture	0.10	%	
Cylinder Zone 1 Temp.	225 - 245	°C	
Cylinder Zone 3 Temp.	225 - 250	°C	
Cylinder Zone 5 Temp.	225 - 245	°C	
Flange temperature	230 - 245	°C	
Head Temperature	230 - 245	°C	
Extruder Screw L/D Ratio	20.1:1.0 to 24.0 to 1.0		

Extruder Screw Compression Ratio	3.5:1.0 to 4.0:1.0	
Melt Temperature	225 - 245	°C
Die Temperature	230 - 245	°C

Extrusion instructions

Screw Parameters

Metering Section : 40%

Transition Section : 3 to 4 flights

Feed Section : balance of screw length

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT