BASF Ultraform® H2320 004 POM

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Unreinforced

Material Notes:

Description: Is a POM, high-molecular-weight grade for extrusion of small thin-walled pipes and panel.Information provided by BASF

Order this product through the following link:
http://www.lookpolymers.com/polymer_BASF-Ultraform-H2320-004-POM.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in³	ISO 1183
Water Absorption	0.80 %	0.80 %	Saturation; ISO 62
Moisture Absorption at Equilibrium	0.20 %	0.20 %	23°C; 50% RH; ISO 62
Melt Flow	3.08 g/10 min @Load 2.16 kg, Temperature 190 °C	3.08 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	130 MPa @Load 36.5 kg, Time 30.0 sec	18900 psi @Load 80.5 lb, Time 0.00833 hour	ISO 2039-1
Tensile Strength, Yield	64.0 MPa	9280 psi	50 mm/min; ISO 527-2
Elongation at Break	32 %	32 %	50mm/min; ISO 527-2
Elongation at Yield	11 %	11 %	ISO 527-2
Modulus of Elasticity	2.60 GPa	377 ksi	ISO 527-2
Izod Impact, Notched (ISO)	6.50 kJ/m²	3.09 ft-lb/in²	ISO 180/A
Charpy Impact Unnotched	21.0 J/cm² @Temperature -30.0 °C	99.9 ft-lb/in² @Temperature -22.0 °F	ISO 179/1eU
	25.0 J/cm² @Temperature 23.0 °C	119 ft-lb/in² @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	0.550 J/cm² @Temperature -30.0 °C	2.62 ft-lb/in² @Temperature -22.0 °F	ISO 179/1eA
	0.600 J/cm² @Temperature 23.0 °C	2.86 ft-lb/in² @Temperature 73.4 °F	ISO 179/1eA
Tensile Creep Modulus, 1000 hours	1300 MPa	189000 psi	ISO 899-1

Mechanical Properties	Metric	English	Comments
Thermal Properties	**Metric**	**English**	**Comments**
CTE, linear, Parallel to Flow	120 µm/m-°C @Temperature 23.0 - 55.0 °C	66.7 µin/in-°F @Temperature 73.4 - 131 °F	DIN 53752
Melting Point	166 °C	331 °F	DIN 53765
Maximum Service Temperature, Air	100 °C	212 °F	
Deflection Temperature at 1.8 MPa (264 psi)	95.0 °C	203 °F	ISO 75-2
Vicat Softening Point	150 °C	302 °F	ISO 306
Decomposition Temperature	>= 240 °C	>= 464 °F	
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	IEC 60093
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	IEC 60093
Dielectric Constant	3.8 @Frequency 1.00e+6 Hz	3.8 @Frequency 1.00e+6 Hz	IEC 60250
	3.8 @Frequency 100 Hz	3.8 @Frequency 100 Hz	IEC 60250
Dielectric Strength	40.0 kV/mm	1020 kV/in	IEC 60243-1
Dissipation Factor	0.0010 @Frequency 100 Hz	0.0010 @Frequency 100 Hz	IEC 60250
	0.0050 @Frequency 1.00e+6 Hz	0.0050 @Frequency 1.00e+6 Hz	IEC 60250
Comparative Tracking Index	600 V	600 V	Test solution A; IEC 60112
	600 V	600 V	Test solution B; IEC 60112

Processing Properties	Metric	English	Comments
Melt Temperature	190 - 230 °C	374 - 446 °F	Injection-molding

Processing Properties	Metric	English	Comments
Mold Temperature	60.0 - 120 °C	140 - 248 °F	

Descriptive Properties	Value	Comments
Commercial Status	Europe	
Ignition Temperature	320-340 °C	ASTM D1929
Primary Processing Technique	Extrusion and Injection Molding	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China