

BASF Ultraform N 2320 U03 UNC Q600 POM

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

Material Notes:

Ultraform N2320 U03 UNC Q600 is a rapidly freezing UV stabilized general-purpose injection molding grade.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultraform-N-2320-U03-UNC-Q600-POM.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	ISO 1183
Water Absorption	0.80 %	0.80 %	ISO 62
Moisture Absorption at Equilibrium	0.20 %	0.20 %	23°C/50% R.H.; ISO 62
Linear Mold Shrinkage	0.020 cm/cm	0.020 in/in	ASTM Data; MD
Linear Mold Shrinkage, Flow	0.021 cm/cm	0.021 in/in	ISO Data
Linear Mold Shrinkage, Transverse	0.021 cm/cm	0.021 in/in	ISO Data
Melt Flow	7.5 g/10 min @Load 2.16 kg, Temperature 190 °C	7.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	63.0 MPa	9140 psi	50mm/min; ISO 527
	63.0 MPa	9140 psi	2 in/min; ASTM Test
	33.0 MPa @Temperature 80.0 °C	4790 psi @Temperature 176 °F	ISO Data
	93.0 MPa @Temperature -40.0 °C	13500 psi @Temperature -40.0 °F	ISO Data
Elongation at Break	30 %	30 %	50mm/min, Nominal strain; ISO 527
Elongation at Yield	9.4 %	9.4 %	50mm/min; ISO 527
	9.4 %	9.4 %	2 in/min; ASTM Test
	5.8 % @Temperature -40.0 °C	5.8 % @Temperature -40.0 °F	ISO Data
	9.3 % @Temperature 80.0 °C	9.3 % @Temperature 176 °F	ISO Data

Mechanical Properties	Metric	English	Comments
	2.76 GPa	400 ksi	ASTM Test
Flexural Modulus	4.00 GPa	580 ksi	ISO Data
Izod Impact, Notched	0.598 J/cm @Temperature -40.0 °C	1.12 ft-lb/in @Temperature -40.0 °F	ASTM Test
	0.694 J/cm @Thickness 3.17 mm	1.30 ft-lb/in @Thickness 0.125 in	ASTM Test
Izod Impact, Notched (ISO)	6.50 kJ/m ²	3.09 ft-lb/in ²	ISO Test
Charpy Impact Unnotched	20.0 J/cm ²	95.2 ft-lb/in ²	ISO 179
	18.0 J/cm ² @Temperature -30.0 °C	85.7 ft-lb/in ² @Temperature -22.0 °F	ISO 179
Charpy Impact, Notched	0.550 J/cm ²	2.62 ft-lb/in ²	ISO 179
	0.500 J/cm ² @Temperature -30.0 °C	2.38 ft-lb/in ² @Temperature -22.0 °F	ISO 179
Tensile Creep Modulus, 1 hour	1800 MPa	261000 psi	ISO 899
Tensile Creep Modulus, 1000 hours	1400 MPa	203000 psi	ISO 899

Thermal Properties	Metric	English	Comments
CTE, linear	60.0 µm/m-°C @Temperature -30.0 - 30.0 °C	33.3 µin/in-°F @Temperature -22.0 - 86.0 °F	ASTM Test
CTE, linear, Parallel to Flow	110 µm/m-°C	61.1 µin/in-°F	ISO 11359
Melting Point	166 °C	331 °F	10 K/min
	166 °C	331 °F	ASTM Test
Deflection Temperature at 0.46 MPa (66 psi)	156 °C	313 °F	ISO 75
	160 °C	320 °F	ASTM Test
Deflection Temperature at 1.8 MPa (264 psi)	95.0 °C	203 °F	ISO 75
	110 °C	230 °F	ASTM Test
Vicat Softening Point	150 °C	302 °F	(50 °C/h / 50N) - B/50; ISO 306

Thermal Properties	HB Metric	HB English	Comments
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 V	IEC 60112

Descriptive Properties	Value	Comments
Color	Natural	
Commercial Status	Active America	
Impact Modified	No	
Primary Processing Technique	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