

BASF Ultraform N 2640 Z2 UNC Q600 POM

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Impact Modified

Material Notes:

Ultraform N2640 Z2 UNC Q600 is an elastomer-modified grade of POM for injection molding with high impact strength.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultraform-N-2640-Z2-UNC-Q600-POM.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 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	0.019 cm/cm	0.019 in/in	ASTM Data; MD
Linear Mold Shrinkage, Flow	0.019 cm/cm	0.019 in/in	ISO Data
Linear Mold Shrinkage, Transverse	0.019 cm/cm	0.019 in/in	ISO Data
Melt Flow	7.0 g/10 min @Load 2.16 kg, Temperature 190 °C	7.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	50.0 MPa	7250 psi	50mm/min; ISO 527
	50.0 MPa	7250 psi	2 in/min; ASTM Test
	80.0 MPa @Temperature -40.0 °C	11600 psi @Temperature -40.0 °F	ISO Data
Elongation at Break	45 %	45 %	50mm/min, Nominal strain; ISO 527
Elongation at Yield	12 %	12 %	50mm/min; ISO 527
	12 %	12 %	2 in/min; ASTM Test
	7.5 % @Temperature -40.0 °C	7.5 % @Temperature -40.0 °F	ISO Data
Tensile Modulus	1.97 GPa	286 ksi	ASTM Test
	2.00 GPa	290 ksi	1mm/min; ISO 527
Flexural Modulus	1.97 GPa	286 ksi	ASTM Test

Mechanical Properties	0.694 J/cm Metric	1.30 ft-lb/in English	Comments
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	1.20 J/cm	2.25 ft-lb/in	ASTM Test
	@Thickness 3.17 mm	@Thickness 0.125 in	
Charpy Impact Unnotched	NB	NB	ISO 179
	23.0 J/cm ²	109 ft-lb/in ²	ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	1.10 J/cm ²	5.24 ft-lb/in ²	ISO 179
	0.650 J/cm ²	3.09 ft-lb/in ²	ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Tensile Creep Modulus, 1 hour	1550 MPa	225000 psi	ISO 899
Tensile Creep Modulus, 1000 hours	1050 MPa	152000 psi	ISO 899

Thermal Properties	Metric	English	Comments
CTE, linear	70.0 µm/m-°C	38.9 µin/in-°F	ASTM Test
	@Temperature -30.0 - 30.0 °C	@Temperature -22.0 - 86.0 °F	
CTE, linear, Parallel to Flow	120 µm/m-°C	66.7 µin/in-°F	ISO 11359
Melting Point	167 °C	333 °F	10 K/min
	167 °C	333 °F	ASTM Test
Deflection Temperature at 0.46 MPa (66 psi)	140 °C	284 °F	ASTM Test
	150 °C	302 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C	185 °F	ASTM Test
	85.0 °C	185 °F	ISO 75
Vicat Softening Point	140 °C	284 °F	(50 °C/h / 50N) - B/50; ISO 306
Flammability, UL94	HB	HB	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	HB	HB	
	@Thickness 3.00 mm	@Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	IEC 60093
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	IEC 60093
Dielectric Constant	4.0	4.0	IEC 60250
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	40.0 kV/mm	1020 kV/in	IEC 60243-1
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dissipation Factor	0.010	0.010	IEC 60250
	@Frequency 100 Hz	@Frequency 100 Hz	
Comparative Tracking Index	0.014	0.014	IEC 60250
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Comparative Tracking Index	600 V	600 V	IEC 60112

Descriptive Properties	Value	Comments
Color	Natural	
Commercial Status	Active America	
Impact Modified	Yes	
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