

BASF Ultraform N 2640 Z4 UNC Q600 POM

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

Material Notes:

Ultraform N2640 Z4 UNC Q600 is a high toughness, elastomer-modified injection molding POM grade.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultraform-N-2640-Z4-UNC-Q600-POM.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	ISO 1183
Water Absorption	0.80 %	0.80 %	ISO 62
Moisture Absorption at Equilibrium	0.25 %	0.25 %	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	0.018 cm/cm	0.018 in/in	ISO Data
Linear Mold Shrinkage, Transverse	0.018 cm/cm	0.018 in/in	ISO Data
Melt Flow	5.5 g/10 min @Load 2.16 kg, Temperature 190 °C	5.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	44.0 MPa	6380 psi	50mm/min; ISO 527
	44.0 MPa	6380 psi	2 in/min; ASTM Test
	22.0 MPa @Temperature 80.0 °C	3190 psi @Temperature 176 °F	ISO Data
Elongation at Break	>= 50 %	>= 50 %	50mm/min, Nominal strain; ISO 527
Elongation at Yield	14 %	14 %	50mm/min; ISO 527
	14 %	14 %	2 in/min; ASTM Test
	17 % @Temperature 80.0 °C	17 % @Temperature 176 °F	ISO Data
Tensile Modulus	1.66 GPa	241 ksi	ASTM Test
	1.70 GPa	247 ksi	1mm/min; ISO 527
Flexural Modulus	1.66 GPa	241 ksi	ASTM Test

Mechanical Properties	0.907 J/cm Metric	1.70 ft-lb/in English	Comments
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	1.49 J/cm	2.79 ft-lb/in	ASTM Test
	@Thickness 3.17 mm	@Thickness 0.125 in	
Charpy Impact Unnotched	NB	NB	ISO 179
	30.0 J/cm ²	143 ft-lb/in ²	ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	1.30 J/cm ²	6.19 ft-lb/in ²	ISO 179
	0.800 J/cm ²	3.81 ft-lb/in ²	ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Tensile Creep Modulus, 1 hour	1350 MPa	196000 psi	ISO 899
Tensile Creep Modulus, 1000 hours	1000 MPa	145000 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	130 µm/m-°C	72.2 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
	140 °C	284 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	ISO 75
	77.0 °C	171 °F	ASTM Test
Vicat Softening Point	130 °C	266 °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+11 ohm-cm	1.00e+11 ohm-cm	IEC 60093
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	IEC 60093
Dielectric Constant	4.2	4.2	IEC 60250
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	4.2	4.2	IEC 60250
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dielectric Strength	40.0 kV/mm	1020 kV/in	IEC 60243-1
Dissipation Factor	0.011	0.011	IEC 60250
	@Frequency 100 Hz	@Frequency 100 Hz	
Dissipation Factor	0.019	0.019	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