BASF Ultraform® N2650 Z6 POM + PUR

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

Material Notes:

Description: Elastomer-modified injection molding grade for applications requiring highest impact strength together with low stiffness.Information provided by BASF

Order this product through the following link:
http://www.lookpolymers.com/polymer_BASF-Ultraform-N2650-Z6-POM-PUR.php

Physical Properties	Metric	English	Comments
Bulk Density	0.850 g/cc	0.0307 lb/in³	
Density	1.33 g/cc	0.0480 lb/in³	ISO 1183
Water Absorption	0.80 %	0.80 %	ISO 62
Moisture Absorption at Equilibrium	0.20 %	0.20 %	ISO 62
Melt Flow	9.31 g/10 min @Load 2.16 kg, Temperature 190 °C	9.31 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	38.0 MPa	5510 psi	50 mm/min; ISO 527-1/-2
Elongation at Break	44 %	44 %	50 mm/min, Nominal; ISO 527-1/-2
Elongation at Yield	19 %	19 %	50 mm/min; ISO 527-1/-2
Tensile Modulus	1.20 GPa	174 ksi	ISO 527-1/-2
Charpy Impact Unnotched	24.0 J/cm² @Temperature -30.0 °C	114 ft-lb/in² @Temperature -22.0 °F	ISO 179/1eU
	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	0.900 J/cm² @Temperature -30.0 °C	4.28 ft-lb/in² @Temperature -22.0 °F	ISO 179/1eA
	2.00 J/cm² @Temperature 23.0 °C	9.52 ft-lb/in² @Temperature 73.4 °F	ISO 179/1eA
Tensile Creep Modulus, 1000 hours	500 MPa @Strain <=0.500 %	72500 psi @Strain <=0.500 %	ISO 899-1

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	140 µm/m-°C @Temperature 23.0 - 55.0 °C	77.8 µin/in-°F @Temperature 73.4 - 131 °F	ISO 11359-1/-2
Melting Point	166 °C	331 °F	ISO 11357-1/-3
Maximum Service Temperature, Air	100 °C	212 °F	
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	ISO 75-1/-2
Decomposition Temperature	>= 240 °C	>= 464 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+11 ohm-cm	1.00e+11 ohm-cm	IEC 60093
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	IEC 60093
Dielectric Constant	4.3 @Frequency 1.00e+6 Hz	4.3 @Frequency 1.00e+6 Hz	IEC 60250
Dissipation Factor	0.025 @Frequency 1.00e+6 Hz	0.025 @Frequency 1.00e+6 Hz	IEC 60250
Comparative Tracking Index	600 V	600 V	Test Solution A; IEC 60112

Processing Properties	Metric	English	Comments
Processing Temperature	200 °C	392 °F	Hopper Throat
Zone 1	200 °C	392 °F	Feed zone
Zone 2	200 °C	392 °F	Compression
Zone 3	200 °C	392 °F	Metering-zone
Zone 4	200 °C	392 °F	Nozzle
Melt Temperature	200 °C	392 °F	Optimal
	190 - 215 °C	374 - 419 °F	Injection molding
Mold Temperature	60.0 °C	140 °F	Optimal
	60.0 - 80.0 °C	140 - 176 °F	Injection molding
Drying Temperature	100 °C	212 °F	

Processing Properties	Metric	English	Comments
Dry Time	3 hour	3 hour	

Descriptive Properties	Value	Comments
Commercial Status	Europe	
Ignition Temperature	320 - 340 °C	ASTM D1929
Peripheral screw speed	<0.3 m/s	

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