

BASF Ultraform® N2520 L POM

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

Material Notes:

Description: Is a POM, product having reduced electric surface resistance. Information provided by BASF

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultraform-N2520-L-POM.php

Physical Properties	Metric	English	Comments
Bulk Density	0.850 g/cc	0.0307 lb/in ³	
Density	1.40 g/cc	0.0506 lb/in ³	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
Linear Mold Shrinkage, Flow	0.021 cm/cm	0.021 in/in	ISO 2577
Linear Mold Shrinkage, Transverse	0.021 cm/cm	0.021 in/in	ISO 2577
Melt Flow	9.8 g/10 min @Load 2.16 kg, Temperature 190 °C	9.8 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	120 MPa @Load 36.5 kg, Time 30.0 sec	17400 psi @Load 80.5 lb, Time 0.00833 hour	ISO 2039-1
Tensile Strength, Yield	50.0 MPa	7250 psi	50 mm/min; ISO 527-2
Elongation at Break	10 %	10 %	Nominal, 50 mm/min; ISO 527-2
Elongation at Yield	7.5 %	7.5 %	50 mm/min; ISO 527-2
Modulus of Elasticity	2.40 GPa	348 ksi	ISO 527-2
Charpy Impact Unnotched	2.20 J/cm ² @Temperature -30.0 °C	10.5 ft-lb/in ² @Temperature -22.0 °F	ISO 179/1eU
	7.00 J/cm ² @Temperature 23.0 °C	33.3 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	0.250 J/cm ² @Temperature -30.0 °C	1.19 ft-lb/in ² @Temperature -22.0 °F	ISO 179/1eA

Mechanical Properties	0.600 J/cm ² Metric	2.86 ft-lb/in ² English	Comments _A
	@Temperature 23.0 °C	@Temperature 73.4 °F	

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)	85.0 °C	185 °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	1000 ohm-cm	1000 ohm-cm	IEC 60093
Surface Resistance	1.00e+7 ohm	1.00e+7 ohm	IEC 60093
Dielectric Strength	40.0 kV/mm	1020 kV/in	IEC 60243-1
Dissipation Factor	0.39 @Frequency 100 Hz	0.39 @Frequency 100 Hz	IEC 60250
	0.53 @Frequency 1.00e+6 Hz	0.53 @Frequency 1.00e+6 Hz	IEC 60250

Processing Properties	Metric	English	Comments
Processing Temperature	200 °C	392 °F	Hopper Throat
Zone 1	205 °C	401 °F	Feed zone
Zone 2	205 °C	401 °F	Compression
Zone 3	210 °C	410 °F	Metering-zone
Zone 4	210 °C	410 °F	Nozzle
Melt Temperature	190 - 220 °C	374 - 428 °F	Injection-molding

Processing Properties	Metric	English	Comments
Mold Temperature	60.0 - 120 °C	140 - 248 °F	Injection-molding
	100 °C	212 °F	Optimal
Drying Temperature	100 °C	212 °F	
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	
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