

Azoty Tarnow™ TARNOFORM 500 GB6 POM

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Glass Bead Filled

Material Notes:

30% glass beads filled low viscosity grade with very high stiffness and hardness with lowered shrinkage combined with easy molding of complicated shapes
Information provided by Zakłady Azotowe w Tarnowie-Moscicach S.A.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Azoty-Tarnow-TARNOFORM-500-GB6-POM.php

Physical Properties	Metric	English	Comments
Density	1.59 g/cc	0.0574 lb/in³	ISO 1183
Water Absorption	0.22 %	0.22 %	23°C/24 hr; ISO 62
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 190 °C	20 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	112	112	ISO 2039-2
Ball Indentation Hardness	202 MPa	29300 psi	358 N; ISO 2039-1
Tensile Strength, Yield	41.0 MPa	5950 psi	ISO 527
Elongation at Break	8.0 %	8.0 %	ISO 527
Flexural Strength	69.0 MPa	10000 psi	ISO 178
Izod Impact, Notched (ISO)	3.50 kJ/m²	1.67 ft-lb/in²	1A; ISO 180
Charpy Impact, Notched	0.200 J/cm²	0.952 ft-lb/in²	1eA; ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	167 °C	333 °F	10°C/min.; ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	129 °C	264 °F	ISO 75
Vicat Softening Point	150 °C	302 °F	50 N; ISO 306
Flammability, UL94	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
	4.4	4.4	

Dielectric Constant Electrical Properties	Metric @Frequency 1e+6 Hz	English @Frequency 1e+6 Hz	IEC 60250 Comments
	4.9	4.9	IEC 60250
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	30.0 kV/mm	762 kV/in	IEC 60243
	0.0115	0.0115	IEC 60250
Dissipation Factor	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Comparative Tracking Index	600 V	600 V	IEC 112

Processing Properties	Metric	English	Comments
Processing Temperature	180 - 230 °C	356 - 446 °F	Barrel temperature
Mold Temperature	60.0 - 120 °C	140 - 248 °F	

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