Azoty Tarnow™ TARNOFORM 200 HI4 POM

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

Material Notes:

Rubber modified grade with very high impact strength and damping capacity.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-200-HI4-POM.php

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in³	ISO 1183
Melt Flow	2.9 g/10 min @Load 2.16 kg, Temperature 190 °C	2.9 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	104	104	ISO 2039-2
Ball Indentation Hardness	82.0 MPa	11900 psi	358 N; ISO 2039-1
Tensile Strength, Yield	45.0 MPa	6530 psi	ISO 527
Elongation at Break	51 %	51 %	ISO 527
Flexural Strength	36.0 MPa	5220 psi	ISO 178
Izod Impact, Notched (ISO)	31.0 kJ/m²	14.8 ft-lb/in²	1A; ISO 180
Charpy Impact Unnotched	NB	NB	1 eU, 15 J; ISO 179
Charpy Impact, Notched	2.80 J/cm²	13.3 ft-lb/in²	1eA; ISO 179

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	1.48 J/g-°C	0.354 BTU/lb-°F	
Melting Point	167 °C	333 °F	10°C/min.; ISO 3146
Maximum Service Temperature, Air	100 °C	212 °F	
Deflection Temperature at 1.8 MPa (264 psi)	76.0 °C	169 °F	ISO 75
Vicat Softening Point	121 °C	250 °F	50 N; ISO 306
Flammability, UL94	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	IEC 60093
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	IEC 60093
Dielectric Constant	4.3 @Frequency 1e+6 Hz	4.3 @Frequency 1e+6 Hz	IEC 60250
Dielectric Strength	20.0 kV/mm	508 kV/in	IEC 60243
Dissipation Factor	0.034 @Frequency 1e+6 Hz	0.034 @Frequency 1e+6 Hz	IEC 60250
Comparative Tracking Index	600 V	600 V	IEC 112

Processing Properties	Metric	English	Comments
Processing Temperature	60.0 - 120 °C	140 - 248 °F	Barrel temperature
Mold Temperature	50.0 - 80.0 °C	122 - 176 °F	

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