

## Azoty Tarnow™ TARNOFORM 300 CI4 POM

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

### Material Notes:

Impact modified injection molding grade based on Tarnoform 300 reinforced with 20% MBS rubber yielding good cold impact strength and good strength of weld lines combined with good weatherability. 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-300-CI4-POM.php](http://www.lookpolymers.com/polymer_Azoty-Tarnow-TARNOFORM-300-CI4-POM.php)

Physical Properties	Metric	English	Comments
Density	1.29 g/cc	0.0466 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage	0.022 cm/cm @Thickness 4.00 mm	0.022 in/in @Thickness 0.157 in	
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 190 °C	2.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	103	103	ISO 2039-2
Ball Indentation Hardness	90.0 MPa	13100 psi	358 N; ISO 2039-1
Tensile Strength, Yield	35.0 MPa	5080 psi	ISO 527
Elongation at Break	100 %	100 %	ISO 527
Flexural Strength	40.0 MPa	5800 psi	ISO 178
Izod Impact, Notched (ISO)	17.0 kJ/m <sup>2</sup>	8.09 ft-lb/in <sup>2</sup>	1A; ISO 180
Charpy Impact, Notched	1.80 J/cm <sup>2</sup>	8.57 ft-lb/in <sup>2</sup>	1eA; ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	170 °C	338 °F	10°C/min.; ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	68.0 °C	154 °F	ISO 75
Vicat Softening Point	115 °C	239 °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+12 ohm	1.00e+12 ohm	IEC 60093
Dielectric Constant	4.3 @Frequency 1e+6 Hz	4.3 @Frequency 1e+6 Hz	IEC 60250
Dielectric Strength	40.0 kV/mm	1020 kV/in	IEC 60243
Dissipation Factor	0.00060 @Frequency 1e+6 Hz	0.00060 @Frequency 1e+6 Hz	IEC 60250
Comparative Tracking Index	600 V	600 V	IEC 112

Processing Properties	Metric	English	Comments
Processing Temperature	180 - 210 °C	356 - 410 °F	Barrel temperature
Mold Temperature	60.0 - 80.0 °C	140 - 176 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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