

## Azoty Tarnow™ TARNOFORM 300 GB6 POM

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

### Material Notes:

30% glass beads filled grade with increased stiffness and hardness with lowered shrinkage. 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-GB6-POM.php](http://www.lookpolymers.com/polymer_Azoty-Tarnow-TARNOFORM-300-GB6-POM.php)

Physical Properties	Metric	English	Comments
Density	1.59 g/cc	0.0574 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.20 %	0.20 %	ISO 62
Melt Flow	9.0 g/10 min @Load 2.16 kg, Temperature 190 °C	9.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	113	113	ISO 2039-2
Ball Indentation Hardness	183 MPa	26500 psi	358 N; ISO 2039-1
Tensile Strength, Yield	45.0 MPa	6530 psi	ISO 527
Elongation at Break	4.0 %	4.0 %	ISO 527
Flexural Strength	74.0 MPa	10700 psi	ISO 178
Charpy Impact, Notched	0.200 J/cm <sup>2</sup>	0.952 ft-lb/in <sup>2</sup>	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)	127 °C	261 °F	ISO 75
Vicat Softening Point	156 °C	313 °F	50 N; ISO 306
Flammability, UL94	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.4 @Frequency 1e+6 Hz	4.4 @Frequency 1e+6 Hz	IEC 60250

Electrical Properties	Metric	English	Comments
	@Frequency 100 Hz	@Frequency 100 Hz	IEC 60250
Dielectric Strength	30.0 kV/mm	762 kV/in	IEC 60243
Dissipation Factor	0.0115	0.0115	IEC 60250
	@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	

## Contact Songhan Plastic Technology Co.,Ltd.

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