

## Azoty Tarnow™ TARNOFORM 300 SI POM

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

### Material Notes:

Tribological modified grade with silicon, for better sliding properties in plastic-plastic contact. 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-SI-POM.php](http://www.lookpolymers.com/polymer_Azoty-Tarnow-TARNOFORM-300-SI-POM.php)

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in <sup>3</sup>	ISO 1183
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	115	115	ISO 2039
Ball Indentation Hardness	120 MPa	17400 psi	358 N; ISO 2039-1
Tensile Strength, Yield	55.0 MPa	7980 psi	ISO 527
Elongation at Break	75 %	75 %	ISO 527
Flexural Strength	60.0 MPa	8700 psi	ISO 178
Izod Impact, Notched (ISO)	6.20 kJ/m <sup>2</sup>	2.95 ft-lb/in <sup>2</sup>	1A; ISO 180
Charpy Impact, Notched	0.620 J/cm <sup>2</sup>	2.95 ft-lb/in <sup>2</sup>	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)	110 °C	230 °F	ISO 75
Vicat Softening Point	154 °C	309 °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+15 ohm-cm	1.00e+15 ohm-cm	IEC 60093
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	IEC 60093
Dielectric Constant	3.9 @Frequency 1e+6 Hz	3.9 @Frequency 1e+6 Hz	IEC 60250
Dissipation Factor	0.0085 @Frequency 1e+6 Hz	0.0085 @Frequency 1e+6 Hz	IEC 60250
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.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China