

Azoty Tarnow™ TARNOFORM 300 TF4 POM

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, PTFE Filled

Material Notes:

Tribological modified grade with addition of 20% PTFE, with very low coefficient of friction and wear. 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-TF4-POM.php

Physical Properties	Metric	English	Comments
Density	1.52 g/cc	0.0549 lb/in ³	ISO 1183
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 190 °C	8.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ISO 2039-2
Ball Indentation Hardness	122 MPa	17700 psi	358 N; ISO 2039-1
Tensile Strength, Yield	49.0 MPa	7110 psi	ISO 527
Elongation at Break	16 %	16 %	ISO 527
Flexural Strength	54.0 MPa	7830 psi	ISO 178
Izod Impact, Notched (ISO)	3.50 kJ/m ²	1.67 ft-lb/in ²	1A; ISO 180
Charpy Impact, Notched	0.350 J/cm ²	1.67 ft-lb/in ²	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
Deflection Temperature at 1.8 MPa (264 psi)	110 °C	230 °F	ISO 75
Vicat Softening Point	152 °C	306 °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+12 ohm-cm	1.00e+12 ohm-cm	IEC 60093

Electrical Properties	Metric	English	Comments
Surface Resistance	$1.00e+14$ ohm	$1.00e+14$ ohm	IEC 60093
Dielectric Constant	3.7	3.7	IEC 60250
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	23.0 kV/mm	584 kV/in	IEC 60243
Dissipation Factor	0.0105	0.0105	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.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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