

Azoty Tarnow™ TARFLEN SM-B40 PTFE

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE , Polytetrafluoroethylene (PTFE), Bronze Filled

Material Notes:

Reinforced with 40% bronze for standard compression molding. Information provided by Zakłady Azotowe w Tarnowie-Moscicach S.A.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Azoty-Tarnow-TARFLEN-SM-B40-PTFE.php

Physical Properties	Metric	English	Comments
Density	3.20 g/cc	0.116 lb/in ³	ISO 1183
Filler Content	40 %	40 %	Bronze Filler
Particle Size	40 µm	40 µm	Average

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	61	61	ISO 868
Ball Indentation Hardness	40.0 MPa	5800 psi	ISO 2039-1
Tensile Strength, Yield	17.0 MPa	2470 psi	ISO 527
Elongation at Break	260 %	260 %	ISO 527
Izod Impact, Notched	1.40 J/cm	2.62 ft-lb/in	ISO 180

Thermal Properties	Metric	English	Comments
CTE, linear	65.0 µm/m-°C @Temperature 20.0 °C	36.1 µin/in-°F @Temperature 68.0 °F	ASTM E 831
Melting Point	327 °C	621 °F	
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	8.10e+16 ohm-cm	8.10e+16 ohm-cm	IEC 60093
Surface Resistance	5.50e+16 ohm	5.50e+16 ohm	IEC 60093
Dielectric Strength	10.0 kV/mm	254 kV/in	IEC 60243-1
Dissipation Factor	0.0020	0.0020	IEC 60250

Processing Properties	Metric	English	Comments
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Processing Temperature Processing Properties	360 °C Metric	680 °F English	Molding Comments
Back Pressure	50.0 - 70.0 MPa	7250 - 10200 psi	Molding Pressure

Contact Songhan Plastic Technology Co.,Ltd.

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