

Azoty Tarnow™ TARFLEN SM-G15 PTFE

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

Material Notes:

Tarflen SM1 reinforced with 15% graphite 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-G15-PTFE.php

Physical Properties	Metric	English	Comments
Density	2.16 g/cc	0.0780 lb/in ³	ISO 1183
Filler Content	15 %	15 %	Graphite
Particle Size	40 µm	40 µm	Average

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	ISO 868
Ball Indentation Hardness	52.0 MPa	7540 psi	ISO 2039-1
Tensile Strength, Yield	14.0 MPa	2030 psi	ISO 527
Elongation at Break	210 %	210 %	ISO 527
Izod Impact, Notched	1.80 J/cm	3.37 ft-lb/in	ISO 180

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

Electrical Properties	Metric	English	Comments
Volume Resistivity	61 ohm-cm	61 ohm-cm	1mA; IEC 60093

Processing Properties	Metric	English	Comments
Processing Temperature	370 °C	698 °F	Molding
Back Pressure	40.0 - 50.0 MPa	5800 - 7250 psi	Molding Pressure

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