

Azoty Tarnow™ TARFLEN SM-K22G3 PTFE

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

Material Notes:

Tarflen SM1 reinforced with 22% coke and 3% 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-K22G3-PTFE.php

Physical Properties	Metric	English	Comments
Density	2.11 g/cc	0.0762 lb/in ³	ISO 1183
Particle Size	40 µm	40 µm	Average

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	62	62	ISO 868
Ball Indentation Hardness	48.0 MPa	6960 psi	ISO 2039-1
Tensile Strength, Yield	15.0 MPa	2180 psi	ISO 527
Elongation at Break	120 %	120 %	ISO 527
Izod Impact, Notched	1.30 J/cm	2.44 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	
Specific Heat Capacity	1.00 J/g-°C	0.239 BTU/lb-°F	
Thermal Conductivity	0.250 W/m-K	1.74 BTU-in/hr-ft ² -°F	
Melting Point	237 °C	459 °F	
Flammability, UL94	V-0	V-0	

Processing Properties	Metric	English	Comments
Processing Temperature	370 °C	698 °F	Molding
Back Pressure	40.0 - 60.0 MPa	5800 - 8700 psi	Molding Pressure

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