

Azoty Tarnow™ TARFLEN SM-S15 PTFE

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE , Polytetrafluoroethylene (PTFE), Glass Filled, Molded

Material Notes:

15% glass fiber reinforced 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-S15-PTFE.php

Physical Properties	Metric	English	Comments
Density	2.21 g/cc	0.0798 lb/in ³	ISO 1183
Filler Content	15 %	15 %	Glass Fibers
Particle Size	40 µm	40 µm	Average

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	59	59	ISO 868
Ball Indentation Hardness	33.0 MPa	4790 psi	ISO 2039-1
Tensile Strength, Yield	18.0 MPa	2610 psi	ISO 527
Elongation at Break	260 %	260 %	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 @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	

Processing Properties	Metric	English	Comments
Processing Temperature	370 °C	698 °F	Molding
Back Pressure	30.0 - 45.0 MPa	4350 - 6530 psi	Molding Pressure

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