

**Azoty Tarnow™ TARFLEN SM-B60 PTFE**

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

**Material Notes:**

Tarflen SM1 reinforced with 60% 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-B60-PTFE.php](http://www.lookpolymers.com/polymer_Azoty-Tarnow-TARFLEN-SM-B60-PTFE.php)

Physical Properties	Metric	English	Comments
Density	3.90 g/cc	0.141 lb/in <sup>3</sup>	ISO 1183
Filler Content	60 %	60 %	Bronze Filler
Particle Size	40 µm	40 µm	Average

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	ISO 868
Ball Indentation Hardness	52.0 MPa	7540 psi	ISO 2039-1
Tensile Strength, Yield	15.0 MPa	2180 psi	ISO 527
Elongation at Break	220 %	220 %	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	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	

Processing Properties	Metric	English	Comments
Processing Temperature	360 °C	680 °F	Molding
Back Pressure	60.0 - 80.0 MPa	8700 - 11600 psi	Molding Pressure

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