

# Tarflen® SM-B40

Polytetrafluoroethylene

Grupa Azoty S.A.

## Message:

Tarflen®SM-B40 is a polytetrafluoroethylene (PTFE) material, which contains 40% bronze filler. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific.

Tarflen®The main features of the SM-B40 are:

Flame Retardant

good weather resistance

chemical resistance

Wear-resistant

Typical application areas include:

engineering/industrial accessories

application of coating

Wire and cable

Sealing applications

Hose

General Information			
Filler / Reinforcement	Bronze filler, 40% filler by weight		
Features	Low friction coefficient		
	Moisture proof		
	Good chemical resistance		
	Good wear resistance		
	Good weather resistance		
	Flame retardancy		
Uses	Cable sheath		
	Washer		
	Valve/valve components		
	Pipe		
	Piping system		
	Seals		
	Accessories		
	Coating application		
	Fabric coating		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	3.20	g/cm³	ISO 1183
Molding Shrinkage			ISO 294-4
Vertical flow direction	2.0 - 3.5	%	ISO 294-4
Flow direction	3.0	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method

Tensile Stress (Yield)	16.0	MPa	ISO 527-2
Tensile Strain (Break)	250	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Linear thermal expansion coefficient			ISO 11359-2
Flow: 23 to 100°C	1.1E-4	cm/cm/°C	ISO 11359-2
Lateral: 23 to 100°C	8.5E-5	cm/cm/°C	ISO 11359-2
Extrusion instructions			

Molding Pressure: 50 to 70 MpaMolding Temperature: 360 °C

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#### Recommended distributors for this material

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