

Tarflen® SM1

Polytetrafluoroethylene

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Message:

Tarflen®SM1 is a polytetrafluoroethylene (PTFE) material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is compression molding.

Tarflen®The main features of SM1 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			
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		
Processing Method	Compression molding		
Physical	Nominal Value	Unit	Test Method
Density	2.15	g/cm³	ISO 1183
Molding Shrinkage			ISO 294-4
Vertical flow direction	4.0 - 5.0	%	ISO 294-4
Flow direction	6.0 - 7.0	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method

Tensile Stress (Yield)	30.0	MPa	ISO 527-2
Tensile Strain (Break)	380	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Linear thermal expansion coefficient			ISO 11359-2
Flow: 23 to 100°C	1.8E-4	cm/cm/°C	ISO 11359-2
Lateral: 23 to 100°C	1.3E-4	cm/cm/°C	ISO 11359-2
Additional Information			
Bulk Density, No Standard: 0.3 kg/dm ³			
Extrusion instructions			
Molding Pressure: 15 to 20 MpaMolding Temperature: 370 °C			

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Recommended distributors for this material

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