



Engineering Data

Turcon[®] M79

Material

A high grade composition of virgin PTFE resin compounded with aromatic - polymer and lubricant.

Colour

Light grey to grey.

The colour of the material may have variations in shading.

Property	Test Conditions	Standard	Unit	Typical Value
General				
Specific Gravity	23°C	ASTM D 792	g/cm ³	1.96
Ball Indentation Hardness *)	23°C	ISO 2039-1	MPa	40
Shore D	23°C	ASTM D 2240	Shore D	60
Mechanical				
Tensile Stress @ Break	23°C	ASTM D 4894	MPa	20
Tensile Elongation @ Break	23°C	ASTM D 4894	%	240
Deformation under Load	23°C - 24h – 13.8 MPa	ASTM D 621	%	7.2
Creep	23°C-24h-13.8 MPa-1.5h	ASTM D 621	%	5.2
Thermal				
Coefficient of Linear Expansion	-75°C - +15°C	ASTM E 831	mm/mm/°K	1E-4
Coefficient of Linear Expansion	+15°C - +25°C	ASTM E 831	mm/mm/°K	2E-4
Coefficient of Linear Expansion	+25°C - +125°C	ASTM E 831	mm/mm/°K	1E-4
Miscellaneous				
Surface Resistivity	23°C	DIN 53482	Ohm	-
Volume Resistivity	23°C	DIN 53482	Ohm x cm	-

*) Only used in Europe

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