



Engineering Data

Turcon[®] T01

Material

A high grade virgin PTFE.

Colour

White to off-white.

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	2.16
Ball Indentation Hardness *)	23°C	ISO 2039-1	MPa	28
Shore D	23°C	ASTM D 2240	Shore D	58
Mechanical				
Tensile Stress @ Break	23°C	ASTM D 4894	MPa	38
Tensile Elongation @ Break	23°C	ASTM D 4894	%	350
Deformation under Load	23°C - 24h – 13.8 MPa	ASTM D 621	%	9.7
Creep	23°C-24h-13.8 MPa-1.5h	ASTM D 621	%	5.6
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	5E+17
Volume Resistivity	23°C	DIN 53482	Ohm x cm	2E+17

*) Only used in Europe

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