



## Engineering Data

### Turcon<sup>®</sup> T05

#### Material

A high grade composition of virgin PTFE compounded with Turcon<sup>®</sup>.

#### Colour

Turquoise.

The colour of the material may have variations in shading.

Property	Test Conditions	Standard	Unit	Typical Value
<b>General</b>				
Specific Gravity	23°C	ASTM D 792	g/cm <sup>3</sup>	<b>2.17</b>
Ball Indentation Hardness *)	23°C	ISO 2039-1	MPa	<b>29</b>
Shore D	23°C	ASTM D 2240	Shore D	<b>58</b>
<b>Mechanical</b>				
Tensile Stress @ Break	23°C	ASTM D 4894	MPa	<b>40</b>
Tensile Elongation @ Break	23°C	ASTM D 4894	%	<b>430</b>
Deformation under Load	23°C - 24h – 13.8 MPa	ASTM D 621	%	<b>9.6</b>
Creep	23°C-24h-13.8 MPa-1.5h	ASTM D 621	%	<b>5.6</b>
<b>Thermal</b>				
Coefficient of Linear Expansion	-75°C - +15°C	ASTM E 831	mm/mm/°K	<b>1E-4</b>
Coefficient of Linear Expansion	+15°C - +25°C	ASTM E 831	mm/mm/°K	<b>3E-4</b>
Coefficient of Linear Expansion	+25°C - +125°C	ASTM E 831	mm/mm/°K	<b>8E-5</b>
<b>Miscellaneous</b>				
Surface Resistivity	23°C	DIN 53482	Ohm	<b>7E+17</b>
Volume Resistivity	23°C	DIN 53482	Ohm x cm	<b>1E+17</b>

\*) Only used in Europe

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