



## Engineering Data

### Turcon® T99

#### Material

A high grade composition of virgin PTFE compounded with Turcon® and lubricant.

#### Colour

Greyish to black.

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>2.22</b>
Ball Indentation Hardness *)	23°C	ISO 2039-1	MPa	<b>30</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>38</b>
Tensile Elongation @ Break	23°C	ASTM D 4894	%	<b>350</b>
Deformation under Load	23°C - 24h – 13.8 MPa	ASTM D 621	%	<b>8.4</b>
Creep	23°C-24h-13.8 MPa-1.5h	ASTM D 621	%	<b>5.3</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>1E-4</b>
<b>Miscellaneous</b>				
Surface Resistivity	23°C	DIN 53482	Ohm	<b>1E+17</b>
Volume Resistivity	23°C	DIN 53482	Ohm x cm	<b>3E+17</b>

\*) Only used in Europe

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Based upon our ongoing seals and materials development programme, Trelleborg Sealing Solutions Helsingør reserve the right to change properties contained within this Engineering Data sheet, in the light of experience, without further notice.

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