

Technical data sheet in accordance with ASTM

## Material

### PTFE F56101

black

PTFE-carbon compound (10%)

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Physical properties	nominal range	typical values	
<b>Density</b> ASTM D 792, 23 °C	2.15 ±0.03	2.16	g/cm <sup>3</sup>
<b>Hardness</b> ASTM D 2240 Typ D, Shore D, 23 °C, cylinder diameter 50x50 mm, after 3 s	60 ±3	60	Shore
<b>Ball indentation hardness</b> DIN EN ISO 2039-1, 23 °C	27 ±2.5	26.95	MPa
<b>Tensile strength</b> ASTM D 638, FD-105, 23 °C, UR	> 16.5	17.9	MPa
<b>Elongation at Break</b> ASTM D 638, FD-105, 23 °C, UR	> 200	254	%
<b>Temperature range</b>	-150°C to 260°C		

#### Declarations of conformity

	Country	Part	Remark	Expires	unlimited
Conflict Mineral Free					<input checked="" type="checkbox"/>

#### Freudenberg

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**No ASTM D2000 properties available**

**This material is characterized by good resistance to wear and good thermal conductivity. To a large extent the material is resistant to chemicals.**

The given values are based on a limited number of tests on standard test pieces (1,5mm foil) produced in the laboratory. The data from finished parts can deviate from above values depending on the manufacturing process and the component geometry.

The data represents our present empirical values. It is incumbent on the person placing the order to examine whether it is suitable for its intended purpose, before using the product. All questions regarding the guarantee of this product are in line with our terms and conditions, inasmuch as statutory provisions do not plan for something else.

### **Freudenberg**

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