

# Material

## PTFE F56110

black

PTFE-carbon compound (10%)

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Physical properties	nominal range	typical values	
<b>Density</b> DIN 53479 T1, 23 °C	2.15 ±0.03	2.15	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>Tensile strength</b> DIN EN ISO 527-1, FD-105, 23 °C, Cross Direction	> 17	19.6	MPa
<b>Elongation at Break</b> DIN EN ISO 527-1, FD-105, 23 °C, Cross Direction	> 300	347	%
<b>Temperature range</b>	-150°C to 260°C		

### Declarations of conformity

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

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**No ASTM D2000 properties available**

**This material is characterized by good wear resistance 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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