

Material
PTFE 177547

black

PTFE pure virginal + 25% carbon

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Physical properties	nominal range	typical values	
Density DIN EN ISO 1183-1, 23 °C	2.09 ±0.03	---	g/cm ³
Ball indentation hardness DIN EN ISO 2039-1, 23 °C	---	43	MPa
Tensile strength on basis of DIN EN ISO 527, SPI, 23 °C, UR	---	14	MPa
Elongation at break on basis of DIN EN ISO 527, SPI, 23 °C	---	130	%
Deformation under load accordance with ASTM D 621, 23 °C, 24 h, 14 N/mm ²	---	6	%
Deformation under load accordance with ASTM D 621, 100 °C, 24 h, 14 N/mm ²	---	17	%
Temperature range	-200°C to 260°C	short term:	300°C
Declarations of conformity			
No data found!			

Freudenberg

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No ASTM D2000 properties available

The given values are based on a limited number of tests on standard test pieces (2mm sheets) 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.

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