

Technical data sheet in accordance with ASTM

Material

PTFE F56101

black

PTFE-carbon compound (10%)

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5/17/2016

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Physical properties

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

Declarations of conformity

This overview is purely informative and does not constitute a declaration of conformity (DoC). Please refer to the actual declaration of conformity (DoC) including the conditions and its validity period.

	Country	Part	Remark	Expires
Conflict Mineral Free				see DoC

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 manufactories 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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