

Technical data sheet in accordance with ASTM

Material

PTFE F56101

black

PTFE-carbon compound (10%)

revision index

2

revision date

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/cm³

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

Freudenberg FST GmbH

Technology&Innovation

Material Compliance

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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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