

# Material

## PTFE F52902

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### Physical properties

#### nominal range

#### typical values

#### Density

DIN EN ISO 1183-1, 23 °C

2.15 ±0.03

2.15

g/cm<sup>3</sup>

#### Hardness

DIN ISO 7619-1, Shore D, 23 °C, cylinder diam. 50x50 mm, after 3 s

60 +2/-1

59

Shore

#### Tensile strength

DIN EN ISO 527-1, FD-105, Cross Direction, 23 °C

> 13.5

15.3

MPa

#### Elongation at break

DIN EN ISO 527-1, FD-105, 23 °C, Cross Direction

> 180

232

%

#### Temperature range

-60°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  
Info ROHS and ELV

see certificate  
EU 2000/53 (ELV) including EU 2011/65 and  
EU2015/863 (ROHS III)

see DoC  
see DoC

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#### No ASTM D2000 properties available

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.

#### Freudenberg

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