

# Material

## PTFE F52814

white

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### Physical properties

|   | nominal range | typical values |                   |
|---|---------------|----------------|-------------------|
| <b>Density</b><br>DIN EN ISO 1183-1, 23 °C  | 2.16 ±0.03    | 2.15           | g/cm <sup>3</sup> |
| <b>Hardness</b><br>DIN ISO 7619-1, Shore D, 23 °C, cylinder diam. 50x50 mm, after 3 s | 55 ±2         | 56             | Shore             |
| <b>Tensile strength</b><br>DIN EN ISO 527-1, FD-105, 23 °C, Cross Direction           | > 27.6        | 29.5           | MPa               |
| <b>Elongation at break</b><br>DIN EN ISO 527-1, FD-105, 23 °C, Cross Direction        | > 300         | 335            | %                 |

**Temperature range** -200°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 |
|-----|---------|-------|------------|---------|
| FDA | USA     | Seals | § 177.1550 | 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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