

Material

PTFE FG-180

white

Flat Gasket DIN 28 091-3 TF - M - 0

Explanation: Modified PTFE with silica
Components: Modified PTFE

| | | | |
|-----------------------|----------------------|-------------|-------|
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| 3 | 12/9/2022 | | |

| Physical properties | nominal range | typical values | |
|---|---------------|----------------|-----------------------|
| Density DIN 28090-2, 23 °C | --- | 2.10 | g/cm ³ |
| Tensile strength DIN 52910, 23 °C | --- | 15 | MPa |
| Residual stress DIN 52 913, 150 °C, 30 N/mm ² , 16 h | --- | 15 | N/mm ² |
| Compressibility ASTM F 36 J | --- | 7 | % |
| Recovery ASTM F 36 J | --- | 45 | % |
| Cold compressibility DIN 28 090-2 | --- | 3 | % |
| Cold recovery DIN 28 090-2 | --- | 1 | % |
| Hot creep DIN 28 090-2 | --- | 17 | % |
| Hot recovery DIN 28 090-2 | --- | 3 | % |
| Leakage DIN 35 35-6 | < 0.015 | --- | mg/(m*s) |
| Specific leakage rate (TA Luft) VDI 2440/TA Luft, Helium, 1 Bar, 30 MPa | --- | 5.4 | 10E-6 mbar*l/(m*s) |

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 |

Freudenberg

Freudenberg FST GmbH
Technology&Innovation
Material Compliance

Telefon: -

Fax: -

Email: MaterialCompliance@fst.com

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No ASTM D2000 properties available

This material corresponds in its consistence of the FDA 21 CFR § 177.1550, DVGW, BAM, GL, TA Luft and EC 1935/2004.

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 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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Telefon: -

Fax: -

Email: MaterialCompliance@fst.com