

Material

75 Fluoroprene XP41

powder blue

cross linking: peroxidic

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| Physical properties | nominal range | typical values | |
|---|----------------|----------------|-------------------|
| Density DIN EN ISO 1183-1, 23 °C | 2.00 ±0.03 | 2.02 | g/cm ³ |
| Hardness DIN ISO 7619-1, Shore A, 23 °C | 75 ±5 | 77 | Shore |
| Modulus 100 %, DIN 53504, S2, 23 °C | --- | 5.9 | MPa |
| Tensile strength DIN 53504, S2, 23 °C | > 18 | 19.5 | MPa |
| Elongation at Break DIN 53504, S2, 23 °C | > 250 | 306 | % |
| Compression set DIN ISO 815, B, 24 h, 175 °C, 25 % | < 30 | 23 | % |
| Compression set DIN ISO 815, B, 24 h, 150 °C, 25 % | --- | 19 | % |
| Compression set DIN ISO 815, B, 70 h, 150 °C, 25 % | --- | 20 | % |
| Surface resistivity DIN EN 62631-3-1 (VDE 0307-3-1) Ausgabe 2016, 50 %, 23 °C | --- | 5,1 E +11 | Ohm |
| Durchgangswiderstand 500 V, 23 °C, 50 % | --- | >1,0 E +13 | Ohm*cm |
| Temperature range | -15°C to 200°C | | |

Declarations of conformity

| | Country | Part | Remark | Expires | unlimited |
|----------------------|---------|-------|----------------------|-----------|-------------------------------------|
| (EG) 1935/2004 | EU | | food | | <input checked="" type="checkbox"/> |
| (EG) 2023/2006 (GMP) | EU | | (EG) 2023/2006 (GMP) | | <input checked="" type="checkbox"/> |
| 3-A Sanitary | USA | Seals | Class I | 12 / 2022 | <input type="checkbox"/> |
| ADI Free | | | see certificate | | <input checked="" type="checkbox"/> |
| BNIC (Cognac) | F | Seals | | | <input checked="" type="checkbox"/> |
| BPA/Phthalate free | | | BPA/Phthalate free | | <input checked="" type="checkbox"/> |

Freudenberg

Freudenberg FST GmbH
Global Material Technology
Daniel Danzer

Telefon: +49 6201 960 5033
Fax: -
Email: Daniel.Danzer@fst.com



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| | Country | Part | Remark | Expires | unlimited |
| CMR Category 1A/1B free | | | see certificate | | <input checked="" type="checkbox"/> |
| Decree of 21. March 1973 | IT | machined seals | food | 11 / 2026 | <input type="checkbox"/> |
| Decree of 21. March 1973 | IT | O-Ring | food | 09 / 2025 | <input type="checkbox"/> |
| Decree of 21. March 1973 | IT | Seals | food | 01 / 2026 | <input type="checkbox"/> |
| FDA | USA | Seals | § 177.2600 | | <input checked="" type="checkbox"/> |
| Nano-free | | | see certificate | | <input checked="" type="checkbox"/> |
| NSF 51 | USA | Seals | food | | <input checked="" type="checkbox"/> |
| RoHS conform | | | including EU 2011/65 and EU2015/863 (ROHS III) | | <input checked="" type="checkbox"/> |
| USP Chapter 87 (In vitro) | USA | Seals | | | <input checked="" type="checkbox"/> |
| USP Class VI Ch. 88 - 121 °C | USA | Seals | | | <input checked="" type="checkbox"/> |

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No ASTM D2000 properties available

Specific characteristic and limitations for the use in food contact are set out in the corresponding declaration of conformities.

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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Email: Daniel.Danzer@fst.com

