

Material

70 EPDM 331

black

cross linking: peroxidic
75 +/- 5 Shore A at the test slab

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Physical properties

| | nominal range | typical values | |
|---|----------------|----------------|-------------------|
| Density DIN EN ISO 1183, 23 °C | 1.09 ±0.02 | 1.09 | g/cm ³ |
| Hardness DIN ISO 7619-1, Shore A, 23 °C | 75 ±5 | 75 | Shore |
| Modulus 100 %, DIN 53504, S2, 23 °C | > 6.5 | 8 | MPa |
| Tensile strength DIN 53504, S2, 23 °C | > 10 | 13.6 | MPa |
| Elongation at break DIN 53504, S2, 23 °C | > 150 | 174 | % |
| Compression set DIN ISO 815, Slab B, 24 h, 150 °C, 25 % | < 20 | 11 | % |
| Compression set DIN ISO 815, Slab B, 70 h, 150 °C, 25 % | < 25 | 17 | % |
| Temperature range | -40°C to 150°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 |
|----------------------|---------|--------|----------------------|-----------|
| (EG) 1935/2004 | EU | | food | see DoC |
| (EG) 2023/2006 (GMP) | EU | | (EG) 2023/2006 (GMP) | see DoC |
| 3-A Sanitary | USA | Seals | Class II | 12 / 2027 |
| ACS | F | Seals | Drinking water | 10 / 2026 |
| ACS | F | Seals | Drinking water | 10 / 2026 |
| ADI Free | | | see certificate | see DoC |
| AS/NZS 4020:2005 | AUS | O-Ring | Drinking water | 02 / 2025 |
| BFR XXI, Kat 4 | DE | | food | see DoC |
| BPA/Phthalate free | | | BPA/Phthalate free | see DoC |
| DIN EN 681 | EU | O-Ring | DIN EN 681-1 WA/ WB | see DoC |
| FDA | USA | Seals | § 177.2600 | see DoC |

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Freudenberg FST GmbH
Technology&Innovation
Material Compliance

Telefon: -
Fax: -
Email: MaterialCompliance@fst.com



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| | Country | Part | Remark | Expires |
|------------------------------|----------------|-------------|---|----------------|
| Info ROHS and ELV | | | EU 2000/53 (ELV) including EU 2011/65 and EU2015/863 (ROHS III) | see DoC |
| Kiwa | NL | O-Ring | K44812/06 | see DoC |
| Kiwa | NL | O-Ring | K44812/07 | see DoC |
| NSF 51 | USA | Seals | food | see DoC |
| NSF 61 | USA | O-Ring | Drinking water | see DoC |
| ÖNORM B 5014 | A | O-Ring | Oberwihl (D) & Castello Calepi (IT) | 07 / 2024 |
| UBA Leitlinie + W270 | D | O-Ring | accord. 3 revision basis of valuation | 02 / 2025 |
| USP Chapter 87 (in vitro) | USA | Seals | | see DoC |
| USP Class VI Ch. 88 - 121 °C | USA | O-Ring | | see DoC |
| WRAS BS 6920 | GB | O-Ring | 85 °C | 01 / 2025 |

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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.

Assay according to DIN EN 62631-3-1 / -3-2:

contact resistance $5,9 * 10^3$ Ohm
surface resistance $4,8 * 10^5$ Ohm

The material meets the requirements of USP Class VI -121°C.

The given values are based on a limited number of tests on standard test pieces (2mm sheets). 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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Freudenberg FST GmbH
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Telefon: -
Fax: -
Email: MaterialCompliance@fst.com

