

Material

85 NBR 436

black

cross linking: peroxidic

| | | | |
|-----------------------|----------------------|-------------|--------------|
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| 6 | 10/9/2017 | | |

| Physical properties | nominal range | typical values | |
|---|----------------|-------------------|-------------------|
| Density DIN EN ISO 1183, 23 °C | 1.28 ±0.02 | 1.28 | g/cm ³ |
| Hardness DIN ISO 7619-1, Shore A, 23 °C | 85 ±5 | 88 | Shore |
| Modulus 100 %, DIN 53504, S2, 23 °C | > 10 | 12.9 | MPa |
| Tensile strength DIN 53504, S2, 23 °C | > 11 | 13.8 | MPa |
| Elongation at break DIN 53504, S2, 23 °C | > 110 | 141 | % |
| Compression set DIN ISO 815, Slab B, 24 h, 100 °C, 25 % | < 20 | 16 | % |
| Compression set DIN ISO 815, Slab B, 24 h, 125 °C, 25 % | < 30 | 21 | % |
| Compression set DIN ISO 815, Slab B, 70 h, 125 °C, 25 % | < 35 | 28 | % |
| Low Temperature ISO 11357-2, DSC | --- | -26 | °C |
| Temperature range | -25°C to 100°C | short term: 120°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 |
| ADI Free | | | see certificate | see DoC |
| BFR XXI, Kat 4 | DE | | food | see DoC |
| FDA | USA | Seals | § 177.2600 | see DoC |

Freudenberg

Freudenberg FST GmbH
Technology&Innovation
Material Compliance

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



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RoHS conform

Country Part

Remark

including EU 2011/65 and EU2015/863
(ROHS III)

Expires

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 (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 provisons do not plan for something else.

Freudenberg

Freudenberg FST GmbH
Technology&Innovation
Material Compliance

Telefon: -

Fax: -

Email: MaterialCompliance@fst.com

