

Technical data sheet in accordance with ASTM

Material

80 FKM V801Z

brown

cross linking: bisphenolically

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Physical properties

| | nominal range | typical values | |
|---|---------------|----------------|-------------------|
| Density ASTM D297, 23 °C | --- | 2.00 | g/cm ³ |
| Hardness ASTM D2240, Shore A, 23 °C | 80 ±5 | 80 | Shore |
| Tensile strength ASTM D412, C, 23 °C | > 10 | 10.3 | MPa |
| Elongation at break ASTM D412, C, 23 °C | > 150 | 296 | % |
| Compression set ASTM D395, Slab B, 22 h, 100 °C | < 50 | 19 | % |

Declarations of conformity

No data found!

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Tested after ASTM D 2000: M 2 HK 810 A1-10 B37 EF31 EO78 F15 Z1

| | | nominal range | typical values |
|---|-------------------|--------------------------|---------------------------|
| Hardness | Shore | 80 ±5 | 80 |
| Tensile strength | MPa | min. 10 | 10.3 |
| Elongation at break | % | min. 150 | 296 |
| A1-10 Change after aging in Air 70h/250°C | | | |
| Hardness | Shore A | 10 | 3 |
| Tensile strength | % | -25 | 19 |
| Elongation at break | % | -25 | -20 |
| B37 Compression set 22h/175°C | | | |
| | % | 50 | 19 |
| EF31 Change after aging in Fuel C 70h/23°C | | | |
| Hardness | Shore | ±5 | -4 |
| Tensile strength | % | -25 | -20 |
| Elongation at break | % | -20 | 10 |
| Volume | % | 0 to 10 | 3.5 |
| EO78 Change after aging in Fluid No. 101 70h/200°C | | | |
| Hardness | Shore | -15 to 5 | 1 |
| Tensile strength | % | -40 | 11 |
| Elongation at break | % | -20 | -17 |
| Volume | % | 0 to 15 | 0 |
| F15 Low-temperature resistance after 3 min at -25 °C 3min./-25°C | | | |
| | | pass | pass |
| Z1 Density | | | |
| | g/cm ³ | --- | 2 |

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 manufacturing 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

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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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