

Material

80 FKM FP805002

Revision Index
02

Revision Date
08.12.2023

General Data

Colour: black
 Type of cross-linking: Bisphenol cure system

| Physical Properties | Nominal Range | Typical Value | |
|--|---------------|---------------|-------------------|
| Density ASTM D 297 | 1.92 ±0.03 | 1.92 | g/cm ³ |
| Hardness ASTM D2240, Shore A | 80 ±5 | 80 | Shore |
| Modulus 100 %, ASTM D412 | | 10.1 | MPa |
| Tensile strength ASTM D412 | | 14.5 | MPa |
| Elongation at break ASTM D412 | | 160 | % |
| Low temperature ASTM D1329, TR10 | | -17 | °C |
| Low temperature resistance ASTM D 2137/A, Brittleness | | -16 | °C |
| Compression set ASTM D395 B, 24 h, 175 °C | | 9 | % |
| Compression set ISO 815-1, Prüfkörper B, 72 h, 175 °C | | 12 | % |
| Compression set ASTM D395 B, 24 h, 200 °C | | 14 | % |
| Compression set ASTM D395 B, 70 h, 200 °C | | 21 | % |

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 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 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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