

## Material

### 70 FVMQ F70

 Revision Index  
 05

 Revision Date  
 10.10.2024

#### General Data

Colour: blue

| Physical Properties                                           | Nominal Range | Typical Value |                   |
|---------------------------------------------------------------|---------------|---------------|-------------------|
| Density ASTM D792                                             | 1.51 ±0.03    | 1.51          | g/cm <sup>3</sup> |
| Hardness ASTM D2240, Shore A                                  | 70 ±5         | 70            | Shore             |
| Tensile strength ASTM D1414                                   | >5.2          | 5.7           | MPa               |
| Tensile strength ASTM D1414                                   | >750          | 824           | psi               |
| Elongation at break ASTM D1414                                | >125          | 234           | %                 |
| Compression set ASTM D 395, 70 h, 24 °C, 25 %, CS>0.110 inch  | <15           | 12            | %                 |
| Compression set ASTM D 395, 22 h, 175 °C, 25 %, CS>0.110 inch | <30           | 13            | %                 |
| Low temperature test ASTM D1329, TR10                         | <-70          | -81           | °F                |
| Low temperature ASTM D1329, TR10                              | <-57          | -63           | °C                |
| Density DIN EN ISO 1183-1                                     |               | 1.51          | g/cm <sup>3</sup> |
| Hardness DIN ISO 7619-1, Shore A                              |               | 70            | Shore             |
| Micro hardness DIN ISO 48                                     |               | 70            | IRHD              |
| Modulus 100 %, DIN 53504                                      |               | 3.9           | MPa               |
| Tensile strength DIN 53504                                    |               | 7.7           | MPa               |
| Elongation at break DIN 53504                                 |               | 272           | %                 |
| Compression set ASTM D395, B, 70 h, 150 °C, 25 %              |               | 12            | %                 |

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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