

# Material

## 70 FKM 37508

auburn

cross linking: bisphenolically

= V178

75 +- 5 Shore A (at the test slab)

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### Physical properties

	nominal range	typical values	
<b>Density</b> DIN EN ISO 1183-1, 23 °C	1.99 ±0.03	1.99	g/cm <sup>3</sup>
<b>Hardness</b> DIN ISO 7619-1, Shore A, 23 °C	75 ±5	76	Shore
<b>Micro hardness</b> DIN ISO 48	75 +5/-8	73	IRHD
<b>Tensile strength</b> DIN 53504, S2, 23 °C	> 11.5	15.7	MPa
<b>Elongation at break</b> DIN 53504, S2, 23 °C	> 130	160	%
<b>Compression set</b> DIN ISO 815, Slab B, 24 h, 200 °C, 25 %	< 15	9	%
<b>Low Temperature</b> DIN 53765, DSC	---	-16	°C
<b>Temperature range</b>	-20°C to 200°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
ADI Free			see certificate	see DoC
BPA/Phthalate free			BPA/Phthalate free	see DoC
FDA	USA	Seals	\$ 177.2600	see DoC
Info ROHS and ELV			EU 2000/53 (ELV) including EU 2011/65 and EU2015/863 (ROHS III)	see DoC

### Freudenberg

Freudenberg FST GmbH  
Technology&Innovation  
Material Compliance

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



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**No ASTM D2000 properties available**

Attention! The debit of the micro-hardness at the o-ring is defined at 70+5/-8 IRHD

Assay according to DIN IEC 93/VDE 303 part 30:

contact resistance > 10<sup>9</sup> Ohm

surface resistance > 10<sup>9</sup> Ohm

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 manufactory 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.

**Attention! The production of this compound is suspended. Please contact us.**

### Freudenberg

Freudenberg FST GmbH  
Technology&Innovation  
Material Compliance

Telefon: -

Fax: -

Email: [MaterialCompliance@fst.com](mailto:MaterialCompliance@fst.com)

