

# 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, B, 24 h, 200 °C, 25 %	< 15	9	%
<b>Low Temperature</b> DIN 53765, DSC	---	-1	°C
<b>Temperature range</b>	-15°C to 200°C		

### Declarations of conformity

	Country	Part	Remark	Expires	unlimited
(EG) 1935/2004	EU		food		<input checked="" type="checkbox"/>
(EG) 2023/2006 (GMP)	EU		(EG) 2023/2006 (GMP)		<input checked="" type="checkbox"/>
ADI Free			see certificate		<input checked="" type="checkbox"/>
BPA/Phthalate free			BPA/Phthalate free		<input checked="" type="checkbox"/>
FDA	USA	Seals	§ 177.2600		<input checked="" type="checkbox"/>
RoHS conform			including EU 2011/65 and EU2015/863 (ROHS III)		<input checked="" type="checkbox"/>

### Freudenberg

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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

**This material corresponds in its consistence to the 3 A Sanitary Standard Class I, USP Chapter 87, USP Class VI - 121 °C .**

### Specific characteristic and limitations for the use in food contact are set out in the corresponding declaration of conformities.

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 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 provisions do not plan for something else.

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