

## Material 75 FKM V178

auburn

cross linking: bisphenolically

<b>Print date</b>	<b>revision index</b>	<b>revision date</b>	<b>page</b>	1/1
7/13/2018	2	5/16/2018		

<b>Physical properties</b>	<b>nominal range</b>	<b>typical values</b>	
<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> ISO 11357-2, DSC	---	-1	°C
<b>Temperature range</b>	-15°C to 200°C		

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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page 1/1

### 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"/>
3-A Sanitary	USA	O-Ring	Class I	12 / 2018	<input type="checkbox"/>
ADI Free					<input checked="" type="checkbox"/>
Arrete 9.Nov 1994	F				<input checked="" type="checkbox"/>
FDA	USA	Seals	§ 177.2600		<input checked="" type="checkbox"/>
RoHS			Restricted substances in electrical and electronic equipment		<input checked="" type="checkbox"/>
USP Chapter 87 (in vitro)	USA				<input checked="" type="checkbox"/>
USP Class VI Ch. 88 - 121 °C	USA		in vivo		<input checked="" type="checkbox"/>

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

### Freudenberg

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