

# Material

## 75 Simriz 495

black

cross linking: peroxidic  
FFKM

**revision index**  
13

**revision date**  
3/29/2018

**page** 1 / 2

### Physical properties

	nominal range	typical values	
<b>Density</b> DIN EN ISO 1183-1, 23 °C	1.93 ±0.03	1.93	g/cm <sup>3</sup>
<b>Hardness</b> DIN ISO 7619-1, Shore A, 23 °C	75 ±5	78	Shore
<b>Modulus</b> 100 %, DIN 53504, S2, 23 °C	---	8.9	MPa
<b>Tensile strength</b> DIN 53504, S2, 23 °C	> 12	16.8	MPa
<b>Elongation at break</b> DIN 53504, S2, 23 °C	> 140	172	%
<b>Compression set</b> DIN ISO 815, Slab B, 70 h, 200 °C, 25 %	< 30	26	%
<b>Low Temperature</b> DIN 53765, DSC	---	-1	°C
<b>Temperature range</b>	-15°C to 230°C      short term: 260°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
ADI Free			see certificate	see DoC
Info ROHS and ELV			EU 2000/53 (ELV) including EU 2011/65 and EU2015/863 (ROHS III)	see DoC
PFOA / PFOS free			see certificate	see DoC

### Freudenberg

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**page** 2 / 2

#### No ASTM D2000 properties available

Standard material:

All-purpose with excellent chemical resistance.

The material has a very good resistance in hydrofluoric acid up to 50 °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 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.

#### Freudenberg

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