

Technical data sheet in accordance with ASTM

# Material

## 80 Simriz 498

black

FFKM

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### Physical properties

	nominal range	typical values	
<b>Density</b> ASTM D297, 23 °C	---	2.01	g/cm <sup>3</sup>
<b>Hardness</b> ASTM D2240, Shore A, 23 °C	80 ±5	79	Shore
<b>Hardness</b> ASTM D2240, Shore M, 23 °C	---	81	Shore
<b>Micro hardness</b> DIN ISO 48, Procedure M	---	81	IRHD
<b>Hardness</b> DIN ISO 7619-1, Shore A, 23 °C	---	77	Shore
<b>Modulus</b> 100 %, ASTM D1414, 23 °C	---	10.7	MPa
<b>Tensile strength</b> ASTM D1414, 23 °C	> 10	18.8	MPa
<b>Elongation at break</b> ASTM D1414, 23 °C	> 120	161	%
<b>Compression set</b> ASTM D395, Slab B, 70 h, 200 °C, 25 %	< 40	22.8	%
<b>Compression set</b> ASTM D395, Slab B, 70 h, 300 °C, 25 %	---	25	%
<b>Compression set</b> ASTM D395, Slab B, 336 h, 300 °C, 25 %	---	43	%
<b>Low Temperature</b> ASTM D3418, DSC	---	-7	°C
<b>Low temperature test</b> ASTM D1329, TR10	< 5	0	°C
<b>Temperature range</b>	-5°C to 320°C		

### Declarations of conformity

This overview is purely informative and does not constitute a declaration of conformity (DoC). Please refer to the

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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

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**No ASTM D2000 properties available**

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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