

# Material 80 Simriz 492

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## Physical properties

	required	actual	
<b>Density</b> DIN EN ISO 1183-1, 23 °C	1.87 ±0.03	1.87	g/cm <sup>3</sup>
<b>Hardness</b> DIN ISO 7619-1, Shore A, 23 °C	80 ±5	80	Shore
<b>Micro hardness</b> DIN ISO 48 Verfahren M	80 +5/-8	76	IRHD
<b>Modulus</b> 100 %, DIN 53504, S2, 23 °C	---	10.3	MPa
<b>Tensile strength</b> DIN 53504, S2, 23 °C	---	15.9	MPa
<b>Elongation at Break</b> DIN 53504, S2, 23 °C	---	151	%
<b>Compression set</b> DIN ISO 815, B, 72 h, 200 °C, 25 %	---	24	%
<b>Low Temperature</b> DIN 53765, DSC	---	-10	°C

## Temperature-Range: -10 °C to 230 °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.

## Freudenberg

FST - MCE

Material Center EUROPE

Wolfgang Becker

Phone: +49 (0)6201/80-2893

Fax: +49 (0)6201/88-2893

Email: wolfgang.becker@FST.com