

Technical data sheet in accordance with ASTM

Material 80 Simriz 498

black

FFKM

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

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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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Declarations of conformity

	Country	Part	Remark	Expires	unlimited
ADI Free			see certificate		☒
RoHS conform			including EU 2011/65 and EU2015/863 (ROHS III)		☒

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Properties on Parts	nominal range	typical values	
OR			
Micro hardness	70 +5/-8	68	IRHD
DIN ISO 48, Procedure M			

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