

Material

80 Simriz 498

Revision Index
06

Revision Date
30.09.2019

General Data

Colour: black

Physical Properties

	Nominal Range	Typical Value	
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,Verfahren 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	%
Glass transition temperature ASTM D3418, DSC		-7	°C
Low temperature ASTM D1329, TR10	<5	0	°C

Temperature Range

static: -5 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 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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