Technical data sheet in accordance with ASTM

Material
80 Simriz 498

black

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Physical properties	nominal range	typical values	
Density ASTM D297, 23 °C	---	2.01	g/cm³
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, Slab B, 70 h, 200 °C, 25 %	< 40	22.8	%
Compression set ASTM D395, Slab B, 70 h, 300 °C, 25 %	---	25	%
Compression set ASTM D395, Slab 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

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 provisons do not plan for something else.

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