

Material

75 Simriz 494

black

cross linking: peroxidic



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Physical properties

	nominal range	typical values	
Density DIN EN ISO 1183-1, 23 °C	1.91 ±0.03	1.91	g/cm ³
Hardness DIN ISO 7619-1, Shore A, 23 °C	75 ±5	78	Shore
Modulus 100 %, DIN 53504, S2, 23 °C	---	9.7	MPa
Tensile strength DIN 53504, S2, 23 °C	> 14	16.8	MPa
Elongation at break DIN 53504, S2, 23 °C	> 140	161	%
Compression set DIN ISO 815, I, 70 h, 200 °C, 25 %	< 30	20	%
Low Temperature DIN 53765, DSC	---	-1	°C
Temperature range	-15°C to 230°C	short term: 260°C	

Declarations of conformity

	Country	Part	Remark	Expires	unlimited
ADI Free					<input checked="" type="checkbox"/>
FDA	USA	Seals	§ 177.2600		<input checked="" type="checkbox"/>
PFOA / PFOS free					<input checked="" type="checkbox"/>
USP Chapter 87 (In vitro)	USA	Seals			<input checked="" type="checkbox"/>
USP Class VI Ch. 88 - 121 °C	USA	Seals	K 44812/03		<input checked="" type="checkbox"/>

Freudenberg

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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 manufacturing 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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