

Material

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Physical properties

	nominal range	typical values	
Density DIN EN ISO 1183-1, 23 °C	1.19 ±0.02	1.19	g/cm ³
Hardness DIN ISO 7619-1, Shore A, 23 °C	97 ±3	97	Shore
Hardness DIN ISO 7619-1, Shore D, 23 °C	55 ±4	55	Shore
Modulus 100 %, DIN 53504, S2, 23 °C	> 18	20.8	MPa
Modulus 300 %, DIN 53504, S2, 23 °C	---	31	MPa
Tensile strength DIN 53504, S2, 23 °C	> 48	57	MPa
Elongation at break DIN 53504, S2, 23 °C	> 350	456	%
Tear strength DIN ISO 34-1, B (b), 23 °C	---	155	KN/m
Compression set DIN ISO 815, 24 h, 100 °C, 20 %	---	35	%
Compression set DIN ISO 815, 70 h, 100 °C, 10 %	---	39	%
Compression set DIN ISO 815, 24 h, 125 °C, 10 %	---	55	%
Low Temperature ISO 11357-2, DSC	---	-39	°C
Torsions pendulum test DIN EN ISO 6721-2A	---	-17	°C
Temperature range	-30°C to 110°C		

Declarations of conformity

This overview is purely informative and does not constitute a declaration of conformity (DoC). Please refer to the actual declaration of conformity (DoC) including the conditions and its validity period.

Freudenberg

Freudenberg FST GmbH
Technology&Innovation
Material Compliance

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Info ROHS and ELV**Remark**see certificate
EU 2000/53 (ELV) including EU 2011/65 and
EU2015/863 (ROHS III)**Expires**see DoC
see DoC**Freudenberg**Freudenberg FST GmbH
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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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