

Technical data sheet in accordance with ASTM

Material

FKM FP801804

green

cross linking: bisphenolically

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Physical properties	nominal range	typical values		
Density ASTM D297	2.12 ±0.02	2.12	g/cm ³	
Hardness ASTM D2240, Shore A	80 ±5	83	Shore	
Tensile strength ASTM D412	---	18.3	MPa	
Elongation at Break ASTM D412	---	209	%	
Modulus 100 %, ASTM D412	---	8.4	MPa	
Compression set ASTM D395, B, 22 h, 175 °C, plied	---	10	%	
Compression set ASTM D395, B, 22 h, 200 °C, plied	---	13	%	
Compression set ISO 815, 168 h, 175 °C	---	31.2	%	
Compression set ISO 815, 72 h, 0 °C	---	20.9	%	
Compression set ISO 815, 72 h, -20 °C	---	48.5	%	
Low temperature test ASTM D1329, TR10	---	-16.4	°C	
Ozone Resistance ISO 1431, 30 °C, 24 h, 50 pphm	---	0	Rating	

Declarations of conformity

	Country	Part	Remark	Expires	unlimited
ADI Free			see certificate		<input checked="" type="checkbox"/>
DVGW Baumusterprüfzertifikat Gas	D		DIN EN 549 H3 E1	11 / 2021	<input type="checkbox"/>

Freudenberg

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DVGW type examination certificate gas	D		DIN EN 549 H3 E1	11 / 2021	<input type="checkbox"/>
DVGW type examination certificate gas	D		DIN EN 549 H3 E1	11 / 2026	<input type="checkbox"/>
RoHS conform			including EU 2011/65 and EU2015/863 (ROHS III)		<input checked="" type="checkbox"/>

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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). 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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