

Technical data sheet in accordance with ASTM

Material

FKM FP901805

green

cross linking: bisphenolically

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Physical properties

	nominal range	typical values	
Density CNS 5341-96	2.10 +0.04/-0.02	2.12	g/cm ³
Hardness ASTM D 2240-15, Shore A	90 ±5	87	Shore
Modulus 100 %, ASTM D 412-16	---	16	Psi
Tensile strength ASTM D 412-16	---	18.5	MPa
Elongation at break ASTM D 412-16	---	126	%
Compression set ASTM D 395-18, Slab B, 22 h, 175 °C, plied	---	22	%
Compression set ASTM D 395-18, Slab B, 22 h, 200 °C, plied	---	26	%

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.

	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

Change after aging in Air: 70h/250°C

		Typ. values		
		Base value	After aging	difference
Hardness (ASTM D573-04, Shore A)	Shore	87	91	4
Tensile strength (ASTM D573-04)	MPa	18.5	16.1	-13 %
Elongation at break (ASTM D573-04)	%	126	128.5	2 %
weight change	%		-2.5	

Freudenberg

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Change after aging in ASTM service fluid # 101: 70h/200°C

Hardness (ASTM D471-16a, Shore A)
 Tensile strength (ASTM D471-16a)
 Elongation at break (ASTM D471-16a)
 volume change (ASTM D471-16a)

Shore
 MPa
 %
 %

Typ. values			
Base value	After aging	difference	
87	84	-3	
18.5	15.2	-18 %	
126	126	0 %	
	9.5		

Change after aging in Fuel C: 70h/23°C

Hardness (ASTM D471-16a, Shore A)
 Tensile strength (ASTM D471-16a)
 Elongation at break (ASTM D471-16a)
 volume change (ASTM D471-16a)

Shore
 MPa
 %
 %

Typ. values			
Base value	After aging	difference	
87	87	0	
18.5	16.8	-9 %	
126	131	4 %	
	3.1		

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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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