

Technical data sheet in accordance with ASTM

Material

FKM FP75B101

black

cross linking: bisphenolically

revision index

1

revision date

3/11/2022

page

1 / 3

Physical properties

	nominal range	typical values	
Density ASTM D 1817	1.89 ±0.02	1.88	g/cm ³
Hardness ASTM D 2240, Shore A	75 ±5	77	Shore
Tensile strength ASTM D 412	---	13.7	MPa
Elongation at break ASTM D 412	---	292	%
Modulus 100 %, ASTM D412	---	4.4	MPa
Compression set ASTM D 395, Slab B, 22 h, 175 °C	---	20	%
Compression set ASTM D395, Slab B, 22 h, 200 °C	---	25	%

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
Info ROHS and ELV			EU 2000/53 (ELV) including EU 2011/65 and EU2015/863 (ROHS III)	see DoC
PFOA / PFOS free			see certificate	see DoC

Change after aging in Air: 70h/250°C

		Typ. values		
		Base value	After aging	difference
Hardness (ASTM D573, Shore A)	Shore	77	80	3
Tensile strength (ASTM D573)	MPa	13.7	12.7	-7 %
Elongation at break (ASTM D573)	%	292	277.4	-5 %
volume change (ASTM D573)	%		-2.7	

Freudenberg

Freudenberg Industrial Services GmbH
 Global Material Technology
 Nadja Güldner
 Telefon: -
 Fax: -
 Email: FIS.Compound.CRC@fst.com

Technical data sheet in accordance with ASTM

Material

FKM FP75B101

black

cross linking: bisphenolically

revision index

1

revision date

3/11/2022

page 2 / 3

Change after aging in Air: 70h/275°C

Hardness (ASTM D573, Shore A)
Tensile strength (ASTM D573)
Elongation at break (ASTM D573)
volume change (ASTM D573)

Shore
MPa
%
%

Typ. values			
Base value	After aging	difference	
77	84	7	
13.7	8.4	-39 %	
292	274.5	-6 %	
	-8.6		

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

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

Shore
MPa
%
%

Typ. values			
Base value	After aging	difference	
77	67	-10	
13.7	11.6	-15 %	
292	312.4	7 %	
	10.1		

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

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

Shore
MPa
%
%

Typ. values			
Base value	After aging	difference	
77	73	-4	
13.7	11.6	-15 %	
292	312.4	7 %	
	3.9		

Freudenberg

Freudenberg Industrial Services GmbH
Global Material Technology
Nadja Güldner
Telefon: -
Fax: -
Email: FIS.Compound.CRC@fst.com

Technical data sheet in accordance with ASTM

Material

FKM FP75B101

black

cross linking: bisphenolically

revision index	revision date	page
1	3/11/2022	3 / 3

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.

Freudenberg

Freudenberg Industrial Services GmbH
Global Material Technology
Nadja Güldner
Telefon: -
Fax: -
Email: FIS.Compound.CRC@fst.com