

Technical data sheet in accordance with ASTM

# Material

## FKM FP757101

green

cross linking: bisphenolically

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10/26/2017

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**Physical properties**
**Density**

ASTM D 1817

**nominal range**

2.18 ±0.02

**typical values**

2.18

 g/cm<sup>3</sup>
**Hardness**

ASTM D 2240, Shore A

75 ±5

75

Shore

**Tensile strength**

ASTM D 412

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14.4

MPa

**Elongation at Break**

ASTM D 412

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212

%

**Low temperature test**

ASTM D 1329, TR10

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-17

°C

**Compression set**

ASTM D 395 B, 22 h, 200 °C

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12

%

**Declarations of conformity**
**Country Part**

RoHS conform

**Remark**

 including EU 2011/65 and  
 EU2015/863 (ROHS III)

**Expires**
**unlimited**

**Change after aging**
**in Air: 70h/250°C**
**Typ. values**

Base value After aging difference

Hardness (ASTM D2240, Shore A)

Shore

75

76

1

Tensile strength (ASTM D412)

MPa

14.4

12.1

-16 %

Elongation at Break (ASTM D412)

%

212

216.2

2 %

**Change after aging**
**in ASTM fuel C: 70h/23°C**
**Typ. values**

Base value After aging difference

Hardness (ASTM D2240, Shore A)

Shore

75

71

-4

Tensile strength (ASTM D412)

MPa

14.4

11.1

-23 %

Elongation at Break (ASTM D412)

%

212

197.2

-7 %

volume change (ASTM D471)

%

4.3

**Freudenberg**

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

Hardness (ASTM D2240, Shore A)	Shore
Tensile strength (ASTM D412)	MPa
Elongation at Break (ASTM D412)	%
volume change (ASTM D471)	%

Typ. values		
Base value	After aging	difference
75	67	-8
14.4	10.2	-29 %
212	195	-8 %
	10.7	

### Change after aging in IRM 903: 70h/150°C

Hardness (ASTM D2240, Shore A)	Shore
Tensile strength (ASTM D412)	MPa
Elongation at Break (ASTM D412)	%
volume change (ASTM D471)	%

Typ. values		
Base value	After aging	difference
75	73	-2
14.4	12.7	-12 %
212	212	0 %
	1.2	

## 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). 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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