

Technical data sheet in accordance with ASTM

# Material

## FKM FP803413

brown

cross linking: bisphenolically

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### Physical properties

	nominal range	typical values	
<b>Density</b> ASTM D 1817	2.18 ±0.02	2.18	g/cm <sup>3</sup>
<b>Hardness</b> ASTM D 2240, Shore A	80 ±5	78	Shore
<b>Tensile strength</b> ASTM D 412	---	15.9	MPa
<b>Elongation at break</b> ASTM D 412	---	227	%
<b>Compression set</b> ASTM D 395, Slab B, 22 h, 200 °C, 25 %	---	15	%

### 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

### Change after aging in Air: 70h/250°C

		Typ. values		
		Base value	After aging	difference
Hardness (ASTM D2240, Shore A)	Shore	78	80	2
Tensile strength (ASTM D412)	MPa	15.9	15.1	-5 %
Elongation at break (ASTM D412)	%	227	197	-13 %
volume change (ASTM D471)	%		-3	

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

		Typ. values		
		Base value	After aging	difference
Hardness (ASTM D2240, Shore A)	Shore	78	69	-9
Tensile strength (ASTM D412)	MPa	15.9	11.6	-27 %
Elongation at break (ASTM D412)	%	227	320	41 %
volume change (ASTM D471)	%		10	

### Freudenberg

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

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

#### Typ. values

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

Shore  
MPa  
%  
%

Base value	After aging	difference
78	75	-3
15.9	12.7	-20 %
227	255	12 %
	3	

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

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