

Technical data sheet in accordance with ASTM

# Material

## FKM FP703402

brown

cross linking: bisphenolically

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1	7/3/2017		

Physical properties	nominal range	typical values	
<b>Density</b> ASTM D 1817	2.11 ±0.03	2.11	g/cm <sup>3</sup>
<b>Hardness</b> ASTM D 2240, Shore A	70 ±5	70	Shore
<b>Tensile strength</b> ASTM D 412	---	11.8	MPa
<b>Elongation at break</b> ASTM D 412	---	348	%
<b>Tear strength</b> ASTM D 624 C	---	29	KN/m
<b>Low temperature test</b> ASTM D1329, TR10	---	-16	°C
<b>Compression set</b> ASTM D 395 B, B, 22 h, 200 °C, 25 %	---	23	%

### Declarations of conformity

	Country	Part	Remark	Expires	unlimited
RoHS conform			including EU 2011/65 and EU2015/863 (ROHS III)		<input checked="" type="checkbox"/>

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

		Typ. values		
		Base value	After aging	difference
Hardness (ASTM D2240, Shore A)	Shore	70	72	2
Tensile strength (ASTM D412)	MPa	11.8	11.6	-2 %
Elongation at Break (ASTM D412)	%	348	365.4	5 %
volume change (ASTM D471)	%		-3	

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

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

Shore  
MPa  
%  
%

Typ. values			
Base value	After aging	difference	
70	66	-4	
11.8	10.5	-11 %	
348	320.2	-8 %	
	4		

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

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

Shore  
MPa  
%  
%

Typ. values			
Base value	After aging	difference	
70	60	-10	
11.8	9.8	-17 %	
348	344.5	-1 %	
	12		

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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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