

Technical data sheet in accordance with ASTM

# Material

## ACM AC753401

black

**revision index**

1

**revision date**

9/20/2018

**page**

1 / 3

**Physical properties**

	nominal range	typical values	
<b>Density</b> ASTM D 1817	1.42 ±0.02	1.40	g/cm <sup>3</sup>
<b>Hardness</b> ASTM D 2240, Shore A	75 ±5	72	Shore
<b>Tensile strength</b> ASTM D 412	---	11.3	MPa
<b>Elongation at break</b> ASTM D 412	---	229	%
<b>Compression set</b> ASTM D 395, Slab B, 22 h, 150 °C	---	42	%

**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
		EU 2000/53 (ELV) including EU 2011/65 and EU2015/863 (ROHS III)	see DoC

**Change after aging  
in Air: 70h/150°C**

		Typ. values		
		Base value	After aging	difference
Hardness (ASTM D2240, Shore A)	Shore	72	74	2
Tensile strength (ASTM D412)	MPa	11.3	12	6 %
Elongation at break (ASTM D412)	%	229	208	-9 %
volume change (ASTM D573)	%		-2	

**Change after aging  
in IRM 901: 70h/150°C**

		Typ. values		
		Base value	After aging	difference
Hardness (ASTM D2240, Shore A)	Shore	72	74	2
Tensile strength (ASTM D412)	MPa	11.3	12.3	9 %
Elongation at break (ASTM D412)	%	229	195	-15 %
volume change (ASTM D471)	%		-2	

**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

### ACM AC753401

black

**revision index**

1

**revision date**

9/20/2018

**page** 2 / 3

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

72	64	-8
11.3	10.5	-7 %
229	234	2 %
	8	

### 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**

### **ACM AC753401**

black

**revision index**

1

**revision date**

9/20/2018

**page**

3 / 3

### **No ASTM D2000 properties available**

Low temp. resistance, ASTM D2137, 3min/ -10°C: pass

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 manufactories 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](mailto:FIS.Compound.CRC@fst.com)