

Technical data sheet in accordance with ASTM

# Material

## 75 EPDM E755FMD

black

cross linking: Sulfur/Soap

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### Physical properties

### nominal range

### typical values

<b>Density</b> ASTM D297, 23 °C	---	1.36	g/cm <sup>3</sup>
<b>Hardness</b> ASTM D2240, Shore A, 23 °C	75 ±5	77	Shore
<b>Modulus</b> 100 %, ASTM D412, 23 °C	---	4	MPa
<b>Modulus</b> 200 %, ASTM D412, 23 °C	---	6	MPa
<b>Modulus</b> 300 %, ASTM D412, 23 °C	---	8	MPa
<b>Tensile strength</b> ASTM D412	> 8	13	MPa
<b>Elongation at break</b> ASTM D412	> 200	468	%
<b>Compression set</b> ASTM D395, Procedure B, 22 h, 70 °C	---	16	%
<b>Compression set</b> ASTM D395, 22 h, 125 °C	---	76	%
<b>Temperature range</b>	-40°C to 100°C		

### 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.

	<b>Country</b>	<b>Part</b>	<b>Remark</b>	<b>Expires</b>
FDA	USA	Seals	§ 177.2600	see DoC

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Tested after ASTM D 2000: M 2 AA 708 A13 Z1 Z2 Z3 Z4

		nominal range	typical values
Tensile strength	MPa	min. 8	12.62
Elongation at break	%	min. 200	468
<b>A13 Change after aging in Air 70h/70°C</b>			
Hardness	Shore	±15	2
Tensile strength	%	±30	9
Elongation at break	%	-50	2
<b>B13 Compression set 22h/70°C</b>	%	---	16
<b>Z1 Change after aging in Air 70h/100°C</b>			
Hardness ASTM D2240, Shore A	Shore	---	5
Tensile strength ASTM D417	%	---	-4
Elongation at break ASTM D471	%	---	-23
volume change ASTM D471	%	---	-1
<b>Z2 Change after aging in Air 70h/125°C</b>			
Hardness ASTM D2240, Shore A	Shore	---	5
Tensile strength ASTM D417	%	---	1
Elongation at break ASTM D471	%	---	-41
volume change ASTM D471	%	---	-1
<b>Z3 Change after aging in Distilled water 70h/100°C</b>			
Hardness ASTM D2240, Shore A	Shore	---	-3
Tensile strength ASTM D417	%	---	12
Elongation at break ASTM D471	%	---	-5
volume change ASTM D471	%	0 to 10	4
<b>Z4 Compression set ASTM D395, 22 h, 125 °C</b>	%	---	76

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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.

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