

# Material

## 75 EPDM 168348

black

cross linking: peroxidic

<b>revision index</b>	<b>revision date</b>	<b>page</b>	<b>1 / 3</b>
10	7/17/2023		

Physical properties	nominal range	typical values	
<b>Density</b> DIN EN ISO 1183-1	1.12 ±0.02	1.12	g/cm <sup>3</sup>
<b>Hardness</b> DIN ISO 7619-1	80 ±5	80	Shore
<b>Micro hardness</b> DIN ISO 48 Verfahren M	75 +5/-8	74	IRHD
<b>Rebound resilience</b> DIN 53512	---	34	%
<b>Modulus</b> 100 %, DIN 53504, S2	---	11.1	MPa
<b>Tensile strength</b> DIN 53504, S2	---	11.8	MPa
<b>Elongation at break</b> DIN 53504, S2	---	115	%
<b>Compression set</b> DIN ISO 815, 22 h, 100 °C	---	15	%
<b>Low Temperature</b> ISO 11357-2, DSC	---	-50	°C
<b>Temperature range</b>	-40°C to 150°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.

	Country	Part	Remark	Expires
(EG) 1935/2004	EU		food	see DoC
(EG) 2023/2006 (GMP)	EU		(EG) 2023/2006 (GMP)	see DoC
3-A Sanitary	USA	Seals	Class II	12 / 2027
ADI Free			see certificate	see DoC
BPA/Phthalate free			BPA/Phthalate free	see DoC
FDA	USA	Seals	§ 177.2600	see DoC

### Freudenberg

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**revision index**  
10

**revision date**  
7/17/2023

**page** 2 / 3

RoHS conform

**Country Part**

**Remark**

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

**Expires**

see DoC

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**revision index**

10

**revision date**

7/17/2023

**page**

3 / 3

### No ASTM D2000 properties available

Application in water and water vapor to 130 ° C  
It is appropriate to the application in VE- water to max. 100°C

The given values are based on a limited number of tests on standard test pieces (2mm sheets) produced in the laboratory. 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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