

# Material

## 70 EPDM 253815

white

cross linking: peroxidic

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### Physical properties

	nominal range	typical values	
<b>Density</b> DIN EN ISO 1183-1, 23 °C	1.10 ±0.02	1.10	g/cm <sup>3</sup>
<b>Hardness</b> DIN ISO 7619-1, Shore A, 23 °C	70 ±5	72	Shore
<b>Modulus</b> 100 %, DIN 53504, S2, 23 °C	---	---	MPa
<b>Tensile strength</b> DIN 53504, S2, 23 °C	> 10	17.4	MPa
<b>Elongation at Break</b> DIN 53504, S2, 23 °C	> 140	391	%
<b>Compression set</b> DIN ISO 815, B, 24 h, 150 °C, 25 %	< 30	26	%

### Temperature range

-40°C to 150°C

### Declarations of conformity

	Country	Part	Remark	Expires	unlimited
(EG) 1935/2004	EU		food		<input checked="" type="checkbox"/>
(EG) 2023/2006 (GMP)	EU		(EG) 2023/2006 (GMP)		<input checked="" type="checkbox"/>
3-A Sanitary	USA	Seals	Class II	12 / 2022	<input type="checkbox"/>
ADI Free			see certificate		<input checked="" type="checkbox"/>
BFR XXI, Kat 4	DE		food		<input checked="" type="checkbox"/>
FDA	USA	Seals	§ 177.2600		<input checked="" type="checkbox"/>
USP Chapter 87 (In vitro)	USA	Seals			<input checked="" type="checkbox"/>
USP Class VI Ch. 88 - 121 °C	USA	Seals			<input checked="" type="checkbox"/>

### Freudenberg

Freudenberg FST GmbH  
Global Material Technology  
Daniel Danzer

Telefon: +49 6201 960 5033

Fax: -

Email: Daniel.Danzer@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) produced in the laboratory. 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 FST GmbH  
Global Material Technology  
Daniel Danzer

Telefon: +49 6201 960 5033  
Fax: -  
Email: Daniel.Danzer@fst.com

