

Material

70 EPDM 331

black



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cross linking: peroxidic
75 +/- 5 Shore A at the test slab

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Physical properties	nominal range	typical values	
Density DIN EN ISO 1183, 23 °C	1.09 ±0.02	1.09	g/cm ³
Hardness DIN ISO 7619-1, Shore A, 23 °C	75 ±5	75	Shore
Modulus 100 %, DIN 53504, S2, 23 °C	> 6.5	8	MPa
Tensile strength DIN 53504, S2, 23 °C	> 10	13.6	MPa
Elongation at Break DIN 53504, S2, 23 °C	> 150	174	%
Compression set DIN ISO 815, B, 24 h, 150 °C, 25 %	< 20	11	%
Compression set DIN ISO 815, B, 70 h, 150 °C, 25 %	< 25	17	%
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"/>
ACS	F	Seals	Drinking water	10 / 2026	<input type="checkbox"/>
ADI Free			see certificate		<input checked="" type="checkbox"/>
AS/NZS 4020:2005	AUS	O-Ring	Drinking water	02 / 2025	<input type="checkbox"/>
BFR XXI, Kat 4	DE		food		<input checked="" type="checkbox"/>
BPA/Phthalate free			BPA/Phthalate free		<input checked="" type="checkbox"/>
DIN EN 681	EU	O-Ring	DIN EN 681-1 WA/ WB		<input checked="" type="checkbox"/>
FDA	USA	Seals	§ 177.2600		<input checked="" type="checkbox"/>
Kiwa	NL	O-Ring	K44812/06		<input checked="" type="checkbox"/>
Kiwa	NL	O-Ring	K44812/07		<input checked="" type="checkbox"/>

Freudenberg

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	Country	Part	Remark	Expires	unlimited
NSF 51	USA	Seals	food		<input checked="" type="checkbox"/>
NSF 61	USA	O-Ring	Drinking water		<input checked="" type="checkbox"/>
RoHS conform			including EU 2011/65 and EU2015/863 (ROHS III)		<input checked="" type="checkbox"/>
UBA Leitlinie	D	O-Ring		12 / 2023	<input type="checkbox"/>
USP Chapter 87 (in vitro)	USA	Seals			<input checked="" type="checkbox"/>
USP Class VI Ch. 88 - 121 °C	USA	O-Ring			<input checked="" type="checkbox"/>
W270	D	O-Ring	Drinking water	01 / 2024	<input type="checkbox"/>
WRAS BS 6920	GB	O-Ring	85 °C	01 / 2025	<input type="checkbox"/>

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No ASTM D2000 properties available

Specific characteristic and limitations for the use in food contact are set out in the corresponding declaration of conformities.

Assay according to DIN EN 62631-3-1 / -3-2:

contact resistance $5,9 * 10^3$ Ohm
surface resistance $4,8 * 10^5$ Ohm

The material meets the requirements of USP Class VI -121°C.

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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