

Material

70 EPDM 331

black

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

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Not for new samples. possible replacement material:
70 EPDM 335DW

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, Slab B, 24 h, 150 °C, 25 %	< 20	11	%
Compression set DIN ISO 815, Slab B, 70 h, 150 °C, 25 %	< 25	17	%
Temperature range	-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
ACS	F	Seals	Drinking water	10 / 2026
ACS	F	Seals	Drinking water	10 / 2026
ADI Free			see certificate	see DoC
AS/NZS 4020:2018	AUS	O-Ring	Drinking water	02 / 2025
BFR XXI, Kat 4	DE		food	see DoC

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	Country	Part	Remark	Expires
BPA/Phthalate free			BPA/Phthalate free	see DoC
DIN EN 681	EU	O-Ring	DIN EN 681-1 WA/ WB	see DoC
FDA	USA	Seals	§ 177.2600	see DoC
Info ROHS and ELV			EU 2000/53 (ELV) including EU 2011/65 and EU2015/863 (ROHS III)	see DoC
Kiwa	NL	O-Ring	K44812/06	see DoC
Kiwa	NL	O-Ring	K44812/07	see DoC
NSF 51	USA	Seals	food	see DoC
NSF 61	USA	O-Ring	Drinking water	see DoC
UBA Leitlinie + W270	D	O-Ring	accord. 3 revision basis of valuation	02 / 2025
USP Chapter 87 (in vitro)	USA	Seals		see DoC
USP Class VI Ch. 88 - 121 °C	USA	O-Ring		see DoC
WRAS BS 6920	GB	O-Ring	85 °C	01 / 2025

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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 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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