Material
85 EPDM 292

black

cross linking: peroxidic

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Physical properties	nominal range	typical values	
Density DIN EN ISO 1183-1, 23 °C	1.14 ±0.02	1.14	g/cm³
Hardness DIN ISO 48-4, Shore A, 23 °C	85 ±5	86	Shore
Modulus 100 %, DIN 53504, S2, 23 °C	---	16.8	MPa
Tensile strength DIN 53504, S2, 23 °C	> 14	18	MPa
Elongation at break DIN 53504, S2, 23 °C	> 110	114	%
Compression set DIN ISO 815, Slab B, 24 h, 150 °C, 25 %	< 30	11	%
Surface resistivity DIN EN 62631-3-1	---	4400	Ohm
Volume resistivity DIN EN 62631-3-2	---	76000	Ohm*cm

Temperature range

static: -50°C to 150°C
dynamic: -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
BFR XXI, Kat 4	DE		food	see DoC
BPA/Phthalate free			BPA/Phthalate free	see DoC
CMR Category 1A/1B free			see certificate	see DoC
Cytotoxicity USP chapter	-	Seals		11 / 2032

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	Country	Part	Remark	Expires
87 & 88 (class VI)				
Decree of 21. March 1973	IT	O-Ring		09 / 2028
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
NSF 51	USA	Seals		see DoC

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No ASTM D2000 properties available

Application in water and water vapor to max. 180 °C, for short time max. 210 °C

Ozone resistance: to 1000 pphm (40 °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 provisons do not plan for something else.

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