

Material

75 FKM 180497

black

cross linking: bisphenolically
Copolymer type 1, A

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Physical properties	nominal range	typical values	
Density DIN EN ISO 1183-1	2.06 ±0.03	2.07	g/cm ³
Hardness DIN ISO 7619-1	75 ±5	76	Shore
Micro hardness DIN ISO 48 Verfahren M	75 +5/-8	76	IRHD
Modulus 100 %, DIN 53504, S2	> 6.5	8.4	MPa
Tensile strength DIN 53504, S2	> 12	16.1	MPa
Elongation at break DIN 53504, S2	> 140	181	%
Compression set DIN ISO 815, 22 h, 175 °C	< 25	18	%
Low Temperature DIN 53765, DSC	---	-16	°C
Temperature range	-25°C to 200°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
ADI Free			see certificate	see DoC
BPA/Phthalate free			BPA/Phthalate free	see DoC
FDA	USA	Seals	§ 177.2600	see DoC
RoHS conform			including EU 2011/65 and EU2015/863 (ROHS III)	see DoC
USP Chapter 87 (in vitro)	USA	Seals		see DoC

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No ASTM D2000 properties available

The material is resistant in water and water vapour to 150 °C.

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

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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