

Material

75 FKM 586

black

cross linking: bisphenolically

revision index

1

revision date

12/2/2021

page

1 / 2

Physical properties

	nominal range	typical values	
Density DIN EN ISO 1183, 23 °C	2.00 ±0.03	2.00	g/cm ³
Hardness DIN ISO 48-4, Shore A, 23 °C	75 ±5	79	Shore
Modulus 100 %, DIN 53504, S2, 23 °C	---	8.9	MPa
Tensile strength DIN 53504, S2, 23 °C	---	14.1	MPa
Elongation at break DIN 53504, S2, 23 °C	---	213	%
Low Temperature ISO 11357-2, DSC	---	-11	°C

Declarations of conformity

No data found!

Freudenberg

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revision index	revision date	page	2 / 2
1	12/2/2021		

Tested after ASTM D 2000: M 2 HK 810 A1-10 B37 B38 EF31 EO78

		nominal range	typical values
Hardness	Shore	80 ±5	80
Tensile strength	MPa	min. 10	14.1
Elongation at break	%	min. 150	186
A1-10 Change after aging in Air 70h/250°C			
Hardness	Shore A	10	0
Tensile strength	%	-25	7
Elongation at break	%	-25	-11
B37 Compression set 22h/175°C	%	50	17
B38 Compression set 22h/200°C	%	50	21
EF31 Change after aging in Fuel C 70h/23°C			
Hardness	Shore	±5	-2
Tensile strength	%	-25	-5
Elongation at break	%	-20	5
Volume	%	0 to 10	2.3
EO78 Change after aging in Fluid No. 101 70h/200°C			
Hardness	Shore	-15 to 5	-6
Tensile strength	%	-40	-13
Elongation at break	%	-20	13
Volume	%	0 to 15	16.8

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 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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