

Technical data sheet in accordance with ASTM

Material

75 FKM V750F

black

cross linking: bisphenolically

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Physical properties

	nominal range	typical values	
Density ASTM D297	1.93 ±0.02	1.93	g/cm ³
Hardness ASTM D2240, Type A, Shore A, 1 sec	75 ±5	74	Shore
Modulus 100 %, ASTM D412, C	---	713	Psi
Tensile strength ASTM D412, C	> 1450	1762	Psi
Elongation at break ASTM D412, C	> 175	231	%

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
FDA	USA	Seals	§ 177.2600	see DoC

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Tested after ASTM D 2000: M 2 HK 710 A1-10 B37 B38 EF31 EO78 Z1 Z2 Z3 Z4 Z5 Z6 Z7

		nominal range	typical values
Hardness	Shore	70 ±5	74
Tensile strength	MPa	min. 10	12.15
Elongation at break	%	min. 175	231
A1-10 Change after aging in Air 70h/250°C			
Hardness	Shore A	10	0.9
Tensile strength	%	-25	-8
Elongation at break	%	-25	13
B37 Compression set 22h/175°C	%	50	11.2
B38 Compression set 22h/200°C	%	50	14.1
EF31 Change after aging in Fuel C 70h/23°C			
Hardness	Shore	±5	-2.9
Tensile strength	%	-25	-19
Elongation at break	%	-20	-12
Volume	%	0 to 10	3.4
EO78 Change after aging in Fluid No. 101 70h/200°C			
Hardness	Shore	-15 to 5	-7.4
Tensile strength	%	-40	-6
Elongation at break	%	-20	6
Volume	%	0 to 15	11.1
Z1 Tear strength ASTM D624, A, 23 °C, Procedure A	KN/m	---	28.15
Z2 Modulus 100 %, ASTM D412, S2, 23 °C	MPa	---	4.92
Z3 Modulus 200 %, ASTM D412, S2, 23 °C	MPa	---	10.74

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Z4	Modulus 300 %, ASTM D412, S2, 23 °C	MPa	---	8.43
Z5	Specific Gravity	g/cc	---	1.927
Z6	Hardness ASTM D2240, Shore A, 23 °C	Shore	---	74 +6/-4
Z7	Change after aging in Air 70h/275°C			
	Hardness	Shore	---	2.3
	Tensile strength	%	---	-30
	Elongation at break	%	---	27
	Volume	%	---	-5.4

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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