Material
75 FKM V756X

Version	Released on
01	28.07.2021

General Data

Colour:	Brown
Type of cross-linking:	Bisphenol cure system

Physical Properties	**Nominal Range**	**Typical Value**	
Density ASTM D297	2.01 ±0.02	2.01	g/cm³
Hardness ASTM D2240, Shore A	75 ±5	74	Shore
Modulus 100 %, ASTM D412, C		808	psi
Tensile strength ASTM D412, C	>1450	1730	psi
Elongation at break ASTM D412, C	>175	225	%

This data sheet supersedes all previous versions. The content is subject to change without prior notice. 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.

Print date: 23.06.2026

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Tested after ASTM D 2000: M 2 HK 7 10 A1-10 B37 B38 EF31 EO78 Z1 Z2 Z3 Z4 Z5 Z6 Z7

ASTM Property		Nominal Range	Typical Value
Elongation at break	%	min. 175	225
Tensile strength	MPa	min. 10	11.93
A1-10 Air 70.00h/250.00°C			
Elongation at break	%	-25	5
Hardness	Shore	10	1
Tensile strength	MPa	-25	-6
B37 22.00h/175.00°C			
Compression set	%	50	11.5
B38 22.00h/200.00°C			
Compression set	%	50	18.7
EF31 Fuel C 70.00h/23.00°C			
Tensile strength	MPa	-25	-17
Elongation at break	%	-20	14
Hardness	Shore	±5	-4
Volume change	%	0 to 10	3.6
EO78 Fluid No. 101 70.00h/200.00°C			
Tensile strength	MPa	-40	-20
Hardness	Shore	-15 to 5	-8
Volume change	%	0 to 15	11.6
Elongation at break	%	-20	14
Z1 ASTM D2240, Shore A			
Hardness	Shore		73.7
Z2 DIN 53507, 23 °C, A, A			
Tear strength	KN/m		27.46

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Z3	***ASTM D412, 100 %***		
Modulus		MPa	5.57
Z4	***ASTM D412, 200 %***		
Modulus		MPa	10.87
Z5	***ASTM D412, 300 %***		
Modulus		MPa	7.03
Z6	***ASTM D792,***		
Specific gravity		g/cc	2.011
Z7			
Volume change		%	-9.3
Tensile strength		MPa	-25
Hardness		Shore	5
Elongation at break		%	-18

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