DICHTOMATIK

FREUDENBERG
SEALING TECHNOLOGIES

Material
75 FKM V759Z

Version	Released on
01	20.09.2021

General Data

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

Physical Properties	**Nominal Range**	**Typical Value**	
Density ASTM D297	1.91 ±0.02	1.91	g/cm³
Hardness ASTM D 2240, Shore A	75 ±5	73	Shore
Tensile strength ASTM D 412	>10	13.82	MPa
Elongation at break ASTM D 412	>150	229	%
Compression set ASTM D 395, B, 22 h, 200 °C, max.		15	%

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 8 10 A1-10 B37 B38 EF31 EO78 Z1 Z2 Z3 Z4 Z5

ASTM Property		Nominal Range	Typical Value
Elongation at break	%	min. 150	229
Tensile strength	MPa	min. 10	13.8
A1-10 Air 70.00h/250.00°C			
Tensile strength	MPa	-25	-2
Elongation at break	%	-25	-7
Hardness	Shore	10	2
B37 22.00h/175.00°C			
Compression set	%	50	9
B38 22.00h/200.00°C			
Compression set	%	50	15
EF31 Fuel C 70.00h/23.00°C			
Hardness	Shore	±5	-2
Elongation at break	%	-20	-9
Volume change	%	0 to 10	3.8
Tensile strength	MPa	-25	-18
EO78 Fluid No. 101 70.00h/200.00°C			
Hardness	Shore	-15 to 5	-8
Elongation at break	%	-20	4
Volume change	%	0 to 15	12.4
Tensile strength	MPa	-40	-23
Z1 ASTM D2240, A			
Hardness	Shore		73
Z2 ASTM D624, C			
Tear strength	KN/m		24.5

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Z3	***ASTM D412, 100 %***		
Modulus		MPa	5.3
Z4	***ASTM D412, 200 %***		
Modulus		MPa	12
Z5	***ASTM D792,***		
Specific gravity		g/cc	1.915

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