DICHTOMATIK

FREUDENBERG
SEALING TECHNOLOGIES

Material
75 FKM V7513Z

Version	Released on
01	01.10.2021

General Data

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

Physical Properties	**Nominal Range**	**Typical Value**	
Density ASTM D 297		1.847	g/cm³
Hardness ASTM D 2240, Shore A	75 ±5	74	Shore
Tensile strength ASTM D 412	>10	16.41	MPa
Elongation at break ASTM D 412	>175	230	%
Tear strength ASTM D624, C		30.4	KN/m
Modulus 100 %, ASTM D412		6.13	MPa
Modulus 200 %, ASTM D412		14.15	MPa
Compression set ASTM D 395, B, 22 h, 175 °C		8	%
Compression set ASTM D 395, B, 22 h, 200 °C	<50	12	%

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.

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Tested after ASTM D 2000: M 4 HK 7 10 A1-11 B37 B38 EF31 EO78 Z1 Z2 Z3 Z4 Z5 Z6

ASTM Property		Nominal Range	Typical Value
Elongation at break	%	min. 175	230
Tensile strength	MPa	min. 10	16.4
A1-11 Air 70.00h/275.00°C			
Elongation at break	%	-20	35
Hardness	Shore	10	-1
Tensile strength	MPa	-40	-29
B37 22.00h/175.00°C			
Compression set	%		8
B38 22.00h/200.00°C			
Compression set	%	50	12
EF31 Fuel C 70.00h/23.00°C			
Elongation at break	%	-20	-4
Hardness	Shore	±5	-3
Tensile strength	MPa	-25	-16
Volume change	%	0 to 10	3.7
EO78 Fluid No. 101 70.00h/200.00°C			
Tensile strength	MPa	-40	-7
Volume change	%	0 to 15	10.9
Elongation at break	%	-20	10
Hardness	Shore	-15 to 5	-7
Z1 ASTM D412, 100 %			
Modulus	MPa		6.13
Z2 ASTM D412, 200 %			
Modulus	MPa		14.15

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Z3			
Density	g/cm³		1.847
Z4 ASTM D624, C			
Tear strength	KN/m		30.4
Z5			
Volume change	%		-1
Tensile strength	MPa		-1
Elongation at break	%		1
Hardness	Shore		2
Z5 ASTM D 2240, Shore A			
Volume change	%		-1
Tensile strength	MPa		-1
Elongation at break	%		1
Hardness	Shore		2
Z5 ASTM D 412,			
Volume change	%		-1
Tensile strength	MPa		-1
Elongation at break	%		1
Hardness	Shore		2
Z6 ASTM D2240, Shore A			
Hardness	Shore		74

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