DICHTOMATIK

FREUDENBERG
SEALING TECHNOLOGIES

Material
75 FKM V7514Z

Version	Released on
01	01.10.2021

General Data

Colour: Black

Physical Properties	**Nominal Range**	**Typical Value**	
Hardness ASTM D2240, Shore A, 23 °C	75 ±5	78	Shore
Tensile strength ASTM D412, C, 23 °C	>10	13.33	MPa
Elongation at break ASTM D412, C, 23 °C	>175	196	%
Compression set ASTM D395, B, 22 h, 200 °C, 25 %	<15	5.6	%
Low temperature ASTM D1329, TR10		-16	°C

Temperature Range

static: -23 to 204 °C
static short term: up to 260 °C

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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Global Material Technology
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Tested after ASTM D 2000: M 6 HK 7 10 A1-10 B38 EF31 Z1 Z3 Z4 Z5

ASTM Property		Nominal Range	Typical Value
Tensile strength	MPa	min. 10	13.33
Elongation at break	%	min. 175	196
A1-10 Air 70.00h/250.00°C			
Elongation at break	%	-25	7
Tensile strength	MPa	-25	-5
Hardness	Shore	10	4
B38 22.00h/200.00°C			
Compression set	%	15	5.6
C12 Ozone 38.00°C			
Ozone Resistance		no cracks	pass
EF31 Fuel C 70.00h/23.00°C			
Elongation at break	%	-20	-7.5
Hardness	Shore	±5	-1
Tensile strength	MPa	-25	-8
Volume change	%	0 to 10	4
F15 3.00min/-25.00°C			
Low temperature resistance	°C	pass	pass
Z1			
Tensile strength	%		-5
Elongation at break	%		7
Hardness	IRHD		4
Z3			
Tensile strength	%		-10
Elongation at break	%		10

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Hardness	IRHD	-2
Volume change	%	2.1

Z4 ASTM D2240, Shore A

Hardness	Shore	78

Z5 ASTM D395, 336, 200 °C

Compression set	%	32.4

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