DICHTOMATIK

FREUDENBERG
SEALING TECHNOLOGIES

Material
70 EPDM E705Z

Version	Released on
01	24.09.2021

General Data

Colour:	Black
Type of cross-linking:	Sulfur

Physical Properties	**Nominal Range**	**Typical Value**	
Density ASTM D297, 23 °C			g/cm³
Hardness ASTM D2240, Shore A, 23 °C	70 ±5	73	Shore
Tensile strength ASTM D412, C, 23 °C	>10	10.37	MPa
Elongation at break ASTM D412, C, 23 °C	>250	310	%
Compression set ASTM D395, B, 22 h, 70 °C	<25	10.3	%

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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Material
70 EPDM E705Z

Version	Released on
01	24.09.2021

Tested after ASTM D 2000: M 3 BA 7 10 A14 B13 C12

ASTM Property		Nominal Range	Typical Value
Elongation at break	%	min. 250	310
Hardness	Shore	70 ±5	73
Tensile strength	MPa	min. 10	10.37
A14 Air 70.00h/100.00°C			
Elongation at break	%	-25	-22.6
Tensile strength	MPa	-25	-4.6
Hardness	Shore	10	1
B13 22.00h/70.00°C			
Compression set	%	25	10.3
C12 Ozone 38.00°C			
Ozone Resistance		100	100
F19 3.00min/-55.00°C			
Low temperature resistance	°C	pass	pass

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