DICHTOMATIK

FREUDENBERG
SEALING TECHNOLOGIES

Material
80 FKM FP809402

Revision Index	Revision Date
04	09.11.2022

General Data

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

Physical Properties	**Nominal Range**	**Typical Value**	
Density IOS 1183-1/A	1.9 ±0.03	1.95	g/cm³
Hardness ISO 7619-1, Shore A	80 ±5	85	Shore
Tensile strength ISO 37		12	MPa
Elongation at break ISO 37		186	%
Tear strength ISO 34-1/A		4.3	KN/m
Rebound resilience DIN 53512		30	%
Ozone Resistance ISO 1431-1, 50 °C, 70 h, 200 pphm, pass		0	
Low temperature ASTM D1329, TR10		-17	°C
Low temperature resistance ASTM D2137/A, Brittleness		-12	°C
Glass transition temperature DBL 5555, DSC		-12	°C
Compression set ISO 815-1, A, 24 h, 150 °C		14	%
Compression set ASTM D 395 B/1, 70 h, 200 °C, 25 %		20	%

Temperature Range

static:	-30 to 220 °C
static short term:	up to 250 °C

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 manufactories 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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