DICHTOMATIK

FREUDENBERG
SEALING TECHNOLOGIES

Material
80 FKM FP802602

Version	Released on
05	23.06.2025

General Data

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

Physical Properties	**Nominal Range**	**Typical Value**	
Density DIN EN ISO 1183-1	2.18 ± 0.03	2.18	g/cm³
Hardness DIN ISO 7619-1, Shore A	80 ±5	80	Shore
Tensile strength DIN 53504, S2		12.0	MPa
Elongation at break DIN 53504, S2		180	%
Compression set DIN ISO 815, 24 h, 150 °C, 25 %		8	%
Compression set DIN ISO 815, 24 h, 200 °C, 25 %		13	%
Low temperature ASTM D1329, TR10		-17	°C
Glass transition temperature ISO 11357-2, DSC		-21	°C

Temperature Range

static:	-20 to 200 °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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Freudenberg Industrial Services GmbH
Global Material Technology
Email: FIS.Compound.CRC@fst.com