DICHTOMATIK

FREUDENBERG
SEALING TECHNOLOGIES

Material
70 FKM FP70A501

Version	Released on
02	02.11.2022

General Data

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

Physical Properties	**Nominal Range**	**Typical Value**	
Density ASTM D 297	1.9 ±0.03		g/cm³
Hardness ASTM D 2240, Shore A	70 ±5		Shore
Tensile strength ASTM D 412	>7		MPa
Elongation at break ASTM D 412	>110		%
Tear strength ASTM D 624 B	>27		KN/m
Low temperature ASTM D 1329, TR10	<-16		°C
Low temperature resistance ASTM D 2137 A, Brittleness	<-17		°C
Compression set ASTM D 395, B, 24 h, 200 °C	<15		%
Compression set ASTM D 395, B, 70 h, 200 °C	<21		%

Temperature Range

static:	-20 to 230 °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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Regulatory Material Information for 70 FKM FP70A501

This overview reflects the current available conformity documents for this specific material only, applicable at the date of issue identified below, to the best of our knowledge. It is for information purposes only and does not replace the Declarations of Conformity (DoC) or other article or product-based assessments. The DoC are available upon request under the conditions, limitations, and validity periods specified therein.

Overview Material related documents:	**Release Date**	**Expiration Date**
ROHS and ELV	28.11.2019	01.11.2027
ADI Free	01.11.2022	01.11.2027

Issue Date: 23.06.2026
It is valid until the mentioned expiry dates or other legal changes become effective.

Disclaimer:

This declaration supersedes all previous versions. The content is subject to change without prior notice.

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