DICHTOMATIK

FREUDENBERG
INNOVATING TOGETHER

Technical data sheet in accordance with ASTM

Material
FKM FP559401

orange

cross linking: bisphenolically

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Physical properties	nominal range	typical values	
Density ASTM D297	1.94 ±0.03	1.94	g/cm³
Hardness STD 1024,3115, Shore A	55 ±5	58	Shore
Tensile strength STD 1024,2121	> 6.5	12.2	MPa
Elongation at break STD 1024,2121	> 275	294	%
Compression set STD 1024,1118, 72 h, 175 °C, 25 %	< 55	44	%
Compression set STD 1024,1118, 1000 h, 175 °C, 25 %	< 80	72	%
Ozone Resistance STD 1027,3231, 30 °C, 96 h, 50 pphm, elongation 80%	---	0	Rating
Low temperature test STD 1024,3216, TR10	< -15	-16.5	°C
Low temperature test STD 1024,3216, TR30	< -10	-12	°C

Temperature range -30°C to 220°C short term: 240°C

Declarations of conformity

This overview is purely informative and does not constitute a declaration of conformity (DoC). Please refer to the actual declaration of conformity (DoC) including the conditions and its validity period.

	Country	Part	Remark	Expires
Info ROHS and ELV			EU 2000/53 (ELV) including EU 2011/65 and EU2015/863 (ROHS III)	see DoC

Freudenberg

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No ASTM D2000 properties available

The given values are based on a limited number of tests on standard test pieces (2mm sheets). 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 provisons do not plan for something else.

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