DICHTOMATIK

FREUDENBERG
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Technical data sheet in accordance with ASTM

Material
FKM FP803415
brown

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Physical properties	**nominal range**	**typical values**	
Density ASTM D 1817	---	2.17	g/cm³
Hardness ASTM D 2240, Shore A	80 ±5	78	Shore
Tensile strength ASTM D 412	---	13.5	MPa
Elongation at break ASTM D 412	---	225	%
Compression set ASTM D 395, Slab B, 22 h, 200 °C, 25 %	---	15	%

Declarations of conformity
No data found!

Change after aging in Air: 70h/250°C		**Typ. values** Base value	After aging	difference
Hardness (ASTM D2240, Shore A)	Shore	78	80	2
Tensile strength (ASTM D412)	MPa	13.5	16.2	20 %
Elongation at break (ASTM D412)	%	225	184	-18 %
volume change (ASTM D471)	%		-3	

Change after aging in ASTM service fluid # 101: 70h/200°C		**Typ. values** Base value	After aging	difference
Hardness (ASTM D2240, Shore A)	Shore	78	70	-8
Tensile strength (ASTM D412)	MPa	13.5	11.7	-13 %
Elongation at break (ASTM D412)	%	225	261	16 %
volume change (ASTM D471)	%		12	

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Change after aging
in Fuel C: 70h/23°C

		Typ. values		
		Base value	After aging	difference
Hardness (ASTM D2240, Shore A)	Shore	78	74	-4
Tensile strength (ASTM D412)	MPa	13.5	11.2	-17 %
Elongation at break (ASTM D412)	%	225	245	9 %
volume change (ASTM D471)	%		4	

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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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