

Technical data sheet in accordance with ASTM

Material

80 FVMQ F229

red

FVMQ

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Physical properties

	nominal range	typical values	
Density ASTM D792	1.72 ±0.03	1.72	g/cm ³
Hardness ASTM D2240, Shore M	80 ±5	80	Shore
Hardness ASTM D2240, Shore A	80 ±5	80	Shore
Tensile strength ASTM D1414	>= 825	838	Psi
Elongation at break ASTM D1414	>= 100	141	%
Tear strength ASTM D1414, B	>= 125	206	pound/inch
Low temperature test ASTM D1329, TR10	<= -65	-69	°F
Compression set ASTM D395, Slab B, 70 h, 24 °C, 25 %	<= 12	10	%
Compression set ASTM D395, Slab B, 22 h, 175 °C, 25 %	<= 35	19	%

Declarations of conformity

No data found!

Change after aging in Air: 70h/200°C

		Typ. values		
		Base value	After aging	difference
Hardness (ASTM D2240, Shore M)	Shore	80	80	0
Tensile strength (ASTM D1414)	Psi	838	812	-3 %
Elongation at break (ASTM D1414)	%	141	130	-8 %
weight change	%		0.1	

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Freudenberg FST GmbH
Technology&Innovation
Material Compliance
Telefon: -
Fax: -
Email: MaterialCompliance@fst.com

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Change after aging in Synthetic 7700 fluid: 70h/150°C

Hardness (ASTM D2240, Shore M)
Tensile strength (ASTM D1414)
Elongation at break (ASTM D1414)
volume change (ASTM D471)
Compression set (ASTM D395, 70 h, 150 °C, 25 %)
Compression set (ASTM D395, 70 h, 150 °C, 25 %, +18 h cooling)

Shore	80	76	-4
Psi	838	994	19 %
%	141	131	-7 %
%		8.2	
%		31	%
%		23	%

Typ. values

Base value After aging difference

Change after aging in TT-S-735 Typ III Fuel Immersion: 22h/23°C

Hardness (ASTM D2240, Shore M)
Tensile strength (ASTM D1414)
Elongation at break (ASTM D1414)
volume change (ASTM D471)

Shore	80	74	-6
Psi	838	668	-20 %
%	141	130	-8 %
%		18.1	

Typ. values

Base value After aging difference

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No ASTM D2000 properties available

AMS 3383

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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Material Compliance

Telefon: -

Fax: -

Email: MaterialCompliance@fst.com