

Technical data sheet in accordance with ASTM

Material

VMQ SI803402

red

cross linking: peroxidic

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Physical properties	nominal range	typical values	
Density ASTM D1817, 23 °C	1.47 ±0.02	1.47	g/cm ³
Hardness ASTM D2240, Shore A, 23 °C	80 ±5	80	Shore
Tensile strength ASTM D412	---	7.4	MPa
Elongation at break ASTM D412	---	107	%
Tear strength ASTM D624, B, 23 °C	---	17	KN/m
Compression set ASTM D395, Slab B, 22 h, 175 °C, 25 %	---	6	%

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

Change after aging in Air: 70h/225°C

		Typ. values		
		Base value	After aging	difference
Hardness (ASTM D2240, Shore A)	Shore	80	82	2
Tensile strength (ASTM D412)	MPa	7.4	6.4	-14 %
Elongation at break (ASTM D412)	%	107	89.9	-16 %
volume change (ASTM D471)	%		-2	

Freudenberg

Freudenberg Industrial Services GmbH
 Global Material Technology
 Nadja Güldner
 Telefon: -
 Fax: -
 Email: FIS.Compound.CRC@fst.com

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Change after aging in ASTM-Oil No. 1: 70h/150°C

Hardness (ASTM D2240, Shore A)	Shore
Tensile strength (ASTM D412)	MPa
Elongation at break (ASTM D412)	%
volume change (ASTM D471)	%

Typ. values			
Base value	After aging	difference	
80	77	-3	
7.4	6.7	-9 %	
107	97.4	-9 %	
	4		

Change after aging in IRM 903: 70h/150°C

Hardness (ASTM D2240, Shore A)	Shore
Tensile strength (ASTM D412)	MPa
Elongation at break (ASTM D412)	%
volume change (ASTM D471)	%

Typ. values			
Base value	After aging	difference	
80	63	-17	
7.4	5.8	-21 %	
107	88.8	-17 %	
	26		

Change after aging in Water: 70h/100°C

Hardness (ASTM D2240, Shore A)	Shore
Tensile strength (ASTM D412)	MPa
Elongation at break (ASTM D412)	%
volume change (ASTM D471)	%

Typ. values			
Base value	After aging	difference	
80	82	2	
7.4	6.6	-11 %	
107	99.5	-7 %	
	0		

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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 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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Nadja Güldner
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Fax: -
Email: FIS.Compound.CRC@fst.com