

Technical data sheet in accordance with ASTM

Material

70 VMQ S701B

red

cross linking: peroxidic

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Physical properties

	nominal range	typical values	
Density ASTM D297, 23 °C	1.33 ±0.03	1.32	g/cm ³
Hardness ASTM D2240, Shore A, 23 °C	70 ±5	69	Shore
Modulus 100 %, ASTM D412, C, 23 °C	---	4.2	MPa
Tensile strength ASTM D412, C, 23 °C	> 5	6.5	MPa
Elongation at break ASTM D412, C, 23 °C	> 150	221	%
Compression set ASTM D395, Slab B, 70 h, 150 °C	< 25	20	%

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
FDA	USA	Seals	§ 177.2600	see DoC

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Tested after ASTM D 2000: M 2 GE 705 A19 B37 EO16 EO36 F19 G11

		nominal range	typical values
Hardness	Shore	70 ±5	69
Tensile strength	MPa	min. 5	6.5
Elongation at break	%	min. 150	221
A19 Change after aging in Air 70h/225°C			
Hardness	Shore	10	2
Tensile strength	%	-25	-8
Elongation at break	%	-30	-28
B37 Compression set Method B 22h/175°C			
	%	25	20
EO16 Change after aging in IRM 901 70h/150°C			
Hardness	Shore	0 to -10	-6
Tensile strength	%	-30	-3
Elongation at break	%	-30	-6
Volume	%	0 to 15	4.3
EO36 Change after aging in IRM 903 70h/150°C			
Hardness	Shore	---	-20
Volume	%	60	33.6
F19 Low-temperature resistance after 3 min at -55 °C 3min./-55°C			
		pass	no cracks
G11 Tear Resistance < 7 MPa 23°C			
	MPa	5	11.7

This material corresponds in its composition to the requirements of the UL 157.

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

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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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