

Material

58 VMQ 518

auburn

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Physical properties	nominal range	typical values	
Density DIN EN ISO 1183-1	1.16 ±0.02	1.16	g/cm ³
Hardness DIN ISO 7619-1	58 ±5	59	Shore
Micro hardness DIN ISO 48 Verfahren M	58 +5/-8	---	IRHD
Rebound resilience DIN 53512	---	---	%
Modulus 100 %, DIN 53504, S2	> 0.8	1.4	MPa
Tensile strength DIN 53504, S2	> 6.5	9.2	MPa
Elongation at break DIN 53504, S2	> 250	520	%
Compression set DIN ISO 815, 22 h, 175 °C	< 35	25	%

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

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Tested after ASTM D 2000: M 5 GE 605 A19 B37 EA14 EO16 EO36 F19 G11

		nominal range	typical values
Hardness	Shore	60 ±5	59
Tensile strength	MPa	min. 5	9.2
Elongation at break	%	min. 200	520
A19 Change after aging in Air 70h/225°C			
Hardness	Shore	10	3
Tensile strength	%	-25	-20
Elongation at break	%	-30	-22
B37 Compression set Method B 22h/175°C			
	%	25	25
EA14 Change after aging in Distilled water 70h/100°C			
Hardness	Shore	±5	0
Volume	%	±5	2
EO16 Change after aging in IRM 901 70h/150°C			
Hardness	Shore	0 to -15	-7
Tensile strength	%	-20	-3
Elongation at break	%	-20	-2
Volume	%	0 to 10	6
EO36 Change after aging in IRM 903 70h/150°C			
Hardness	Shore	-30	-24
Volume	%	60	43
F19 Low-temperature resistance after 3 min at -55 °C 3min./-55°C			
		pass	
G11 Tear Resistance < 7 MPa 23°C			
	MPa	9	10

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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 provisons do not plan for something else.

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