

Material name, short description	VMQ
Material name, based on technical standards	Vinyl methyl silicone elastomer
Material description / intended use	Silicone elastomer with good mechanical properties over a wide temperature range.
Color	Similar to RAL 3013 Tomato red
Compound code	VMQ 70.00-03
Old, but still valid compound code	VMQ 70.72-01
Crosslinking/curing agent	Peroxide

Mechanical properties

Hardness nominal	75 ±5 Shore A ASTM D 2240
Density nominal	1.22 ±0.03 g/cm ³ ASTM D 792
Elongation at break	410 % ASTM D 412
Compression set	46.7 % ASTM D 395-03-B 24 h, 175 °C
	4.7 % ASTM D 395-03-B 24 h, 30 °C
Tear resistance	18 kgf/cm ASTM D 624-B

Thermal properties

Operating temperature min.*	-60 °C
Operating temperature max.*	205 °C
Operating temperature max. short term*	260 °C

* Approximate value, dependent on the application

Approvals / Compliance

Food & Beverage	FDA CFR 21 - 177.2600 "Rubber articles intended for repeated use" a) - d)
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In compliance with **RoHS** and **REACH** directives.

This information is based on our available data. These values are measured on standard test specimens and are within the normal tolerance range of material properties and do not represent guaranteed property values. Therefore they shall not be used for specification purposes. The customer is solely responsible for quality and suitability of material for his application. He has to test usage and processing prior to use. Angst+Pfister makes no guarantees for the suitability of the material for any given application and assumes no obligation or liability in connection with the information provided above.