

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	red-brown
Compound code	VMQ 55.48-01
Old, but still valid compound code	VMQ 55.448-01

Mechanical properties

Hardness nominal	55 ±5 Shore A DIN 53505
Density nominal	1.15 ±0.02 g/cm³ ISO 1183-1A
Tensile strength	10 N/mm² DIN 53504-S1
Elongation at break	510 % DIN 53504-S1
Compression set	44 % ISO 815-B 22 h, 175 °C
Tear resistance	26 N/mm ASTM D 624-B

Thermal properties

Operating temperature min.*	-50 °C
Operating temperature max.*	200 °C

* Approximate value, dependent on the application

Approvals / Compliance

Food & Beverage	Dutch Commodities Act - Chapter III
	FDA CFR 21 - 177.2600 "Rubber articles intended for repeated use" a) - f)
	BfR XV
	French Arrêté 25/11/1992
	LFGB §30/31
	Regulation EC 1935/2004 (excl. article 15) and EC Regulation 2023/2006 (GMP)
	SR 817.023.21
Specific substance statements	ADI free (free of Animal Derived Ingredients) resp. TSE/BSE related substances
	PAH Class 1 (AfPS GS 2019:01)



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.