

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	black
Compound code	VMQ 70.48-16

### Mechanical properties

Hardness nominal	70 ±4 Shore A DIN 53505
Density nominal	1.17 ±0.03 g/cm <sup>3</sup> DIN EN ISO 1183-1A
Tensile strength	8 N/mm <sup>2</sup> DIN 53504-S1
Elongation at break	240 % DIN 53504-S1
Compression set	32 % ISO 815-B 22 h, 175 °C
Tear resistance	17 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

Fire protection	DIN 5510-2 FED (15 Min) 0.01 / FED (30 Min) 0.02 DIN 5510-2 flammability class S4 / Smoke generation class SR2 / Droplet formation class ST2
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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.