

- IATF16949
- ISO9001
- ISO13485
- ISO14001
- ISO50001

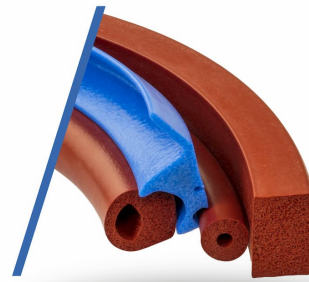
INDUSTRIES AND APPLICATIONS



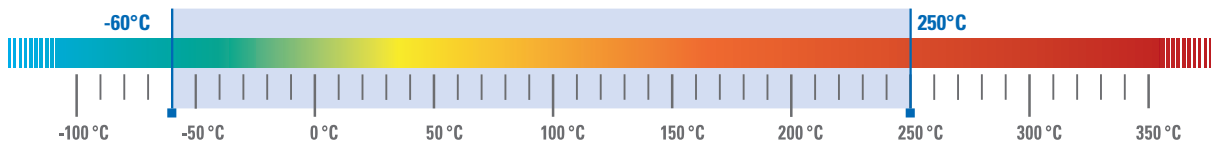
Silicone VMQ S030 - S080 (250 °C)

Key properties

- Closed-cell structural foam
- Temperature range -60 °C - 250 °C
- Resistant to UV and ozone (resistant to radiation and non-aging)
- Very good fire resistance
- No toxic combustion gases
- Free of plasticiser
- Can be coloured as required



Application temperature



Material Qualities

Property	Standard	S030 - 250	S040 - 250	S050 - 250	S060 - 250	S070 - 250	S080 - 250
Hardness [Shore A]	DIN 53505 DIN EN ISO 868	~ 8	~ 8-15	~ 15	~ 20	~ 25	~ 30
Density [g/cm³]	DIN 53479 ISO/R 1183	0.3±0.1	0.4±0.1	0.5±0.1	0.6±0.1	0.7±0.1	0.8±0.1
Elongation @ Break [%]	DIN 53504 ISO/DIS 37	150	150	200	200	250	250
Compression Set [%]	DIN ISO 815 (22h/175°C)	50	40	40	40	35	35
Burning behaviour [class]	UL94	HB self-classification	HB self-classification	HB self-classification	HB self-classification	HB self-classification	HB self-classification

(Continued on the next page)

BIW Isolierstoffe GmbH

Pregelstraße 2-5
 D-58256 Ennepetal
 Tel.: +49 (2333) 8308-0
 Fax.: +49 (2333) 8308-10
 info@biw.de
 www.biw.de

Certified management system by:

- IATF16949
- ISO9001
- ISO13485
- ISO14001
- ISO50001



TECHNICAL DATASHEET

INDUSTRIES AND APPLICATIONS

**Silicone VMQ S030 - S080 (250 °C)****Material Qualities****Silicone VMQ S030 - S080 (250 °C)**

Property	Standard	S030 - 250	S040 - 250	S050 - 250	S060 - 250	S070 - 250	S080 - 250
Thermal Conductivity [W/(m K)]		0.08	0.1	0.12	0.13	0.15	0.18
Operation Temperature [°C]		-60 / +250	-60 / +250	-60 / +250	-60 / +250	-60 / +250	-60 / +250
Colour		Red brown or coloured	Red brown or coloured	Red brown or coloured	Red brown or coloured	Red brown or coloured	Red brown or coloured