

- IATF16949
- ISO9001
- ISO13485
- ISO14001
- ISO50001

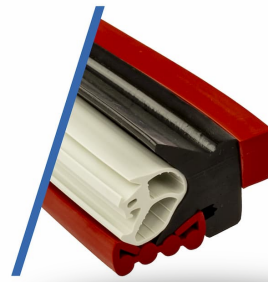
INDUSTRIES AND APPLICATIONS



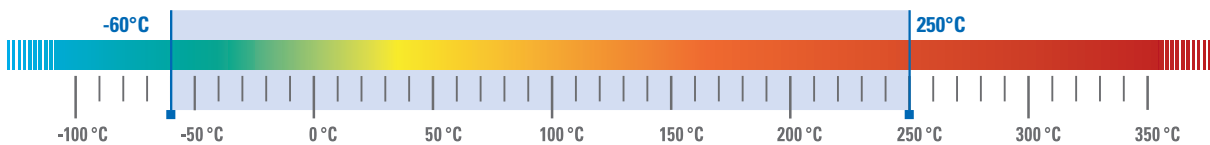
Silicone VMQ A30 - A80 (250°C/240°C)

Key properties

- Platinum vulcanised
- Temperature range -60 °C - 250 °C
- Resistant to UV and ozone (resistant to radiation and non-aging)
- Excellent compression set
- Resistant to many chemicals
- Very good fire resistance
- No toxic combustion gases
- Free of plasticiser
- Can be coloured as required
- For many colours our silicone product conforms with recommendation XV BfR and CFR 21 FDA §177.2600 or USP Class VI. Please get directly in touch with us.



Application temperature



Material Qualities

Property	Standard	A30 - 250	A40 - 250	A50 - 250	A60 - 240	A70 - 240	A80 - 240
Hardness [Shore A]	DIN 53505 DIN EN ISO 868	30±5	40±5	50±5	60±5	70±5	80±5
Density [g/cm³]	DIN 53479 ISO/R 1183	1.11	1.13	1.14	1.16	1.18	1.18
Tensile Strength [MPa]	DIN 53504 ISO/DIS 37	10	10.3	9.7	10.1	9.4	8.1
Elongation @ Break [%]	DIN 53504 ISO/DIS 37	950	850	840	710	600	290

(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 A30 - A80 (250°C/240°C)****Material Qualities****Silicone VMQ A30 - A80 (250°C/240°C)**

Property	Standard	A30 - 250	A40 - 250	A50 - 250	A60 - 240	A70 - 240	A80 - 240
Tear Strength [N/mm]	ASTM D624B	25	24	35	35	39	18
Compression Set [%]	DIN ISO 815 (22h/175°C)	25	25	25	25	25	40
Dielectric Strength [KV/mm]	VDE 0303	20	20	20	20	20	30
Operation Temperature [°C]		-60 / +250	-60 / +250	-60 / +250	-60 / +240	-40 / +240	-40 / +240
Colour		transparent or coloured	transparent or coloured	transparent or coloured	transparent or coloured	transparent or coloured	transparent or coloured