

## BIW Isolierstoffe GmbH

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## Certified management system by:

- IATF16949
- ISO9001
- ISO13485
- ISO14001
- ISO50001



TECHNICAL DATASHEET

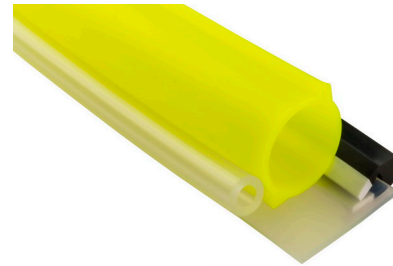
## INDUSTRIES AND APPLICATIONS



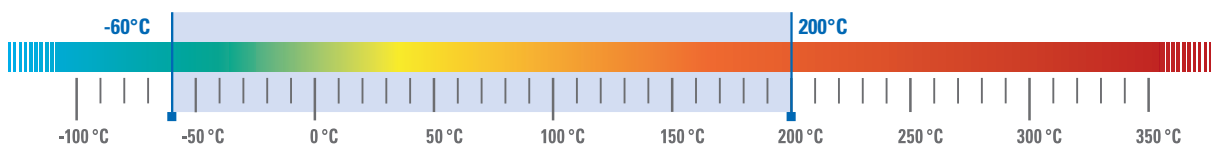
# Silicone VMQ A40 - A80 - Antibacterial

## Key properties

- Platinum vulcanised
- Temperature range -60 °C - 200 °C
- Mechanical properties are nearly constant over the entire temperature range
- Resistant to UV and ozone (resistant to radiation and non-aging)
- Resistant to many chemicals
- Very good fire resistance
- No toxic combustion gases
- Free of plasticiser
- For many colours our silicone product conforms with recommendation XV BfR and CFR 21 FDA §177.2600 or USP Class VI.
- Tested antibacterial effect



## Application temperature



## Product description

Tested antibacterial effect:

With an efficiency of > 99.99% against Staphylococcus Aureus (MRSA) ATCC 33592 according to JIS Z 2801:2010

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*When it comes  
to competence*

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## INDUSTRIES AND APPLICATIONS

**Silicone VMQ A40 - A80 - Antibacterial****Material Qualities**

Property	Standard	A40	A50	A60	A70	A80
Hardness [Shore A]	DIN 53505 DIN EN ISO 868	40±5	50±5	60±5	70±5	80±5
Density [g/cm³]	DIN 53479 ISO/R 1183	1.12	1.13	1.16	1.19	1.24
Tensile Strength [MPa]	DIN 53504 ISO/DIS 37	9.5	9.5	10	9.5	8.5
Elongation @ Break [%]	DIN 53504 ISO/DIS 37	850	600	550	470	370
Tear Strength [N/mm]	ASTM D624B	25	45	50	50	30
Compression Set [%]	DIN ISO 815 (22h/175°C)	35	20	20	25	35
Dielectric Strength [KV/mm]	VDE 0303	20	20	20	20	20
Operation Temperature [°C]		-60 / +200	-60 / +200	-60 / +200	-60 / +180	-40 / +180
Colour		transparent or coloured	transparent or coloured	transparent or coloured	transparent or coloured	transparent or coloured