

- IATF16949
- ISO9001
- ISO13485
- ISO14001
- ISO50001

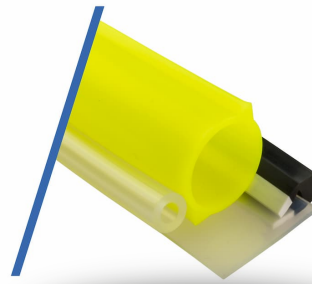
INDUSTRIES AND APPLICATIONS



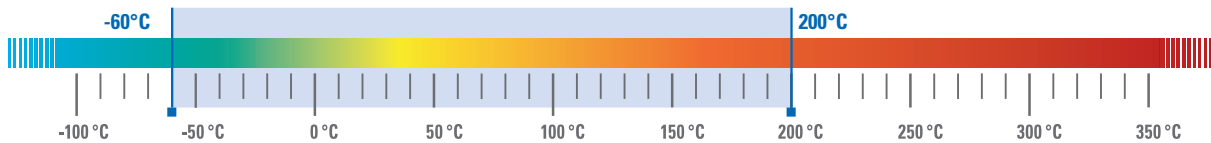
## Silicone VMQ A30 - A80

### 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)
- 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	A40	A50	A60	A70	A80
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	1.15	1.18	1.18
Tensile Strength [MPa]	DIN 53504 ISO/DIS 37	10	10.3	9.7	10.1	9.4	8.1

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## Certified management system by:

- IATF16949
- ISO9001
- ISO13485
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TECHNICAL DATASHEET

## INDUSTRIES AND APPLICATIONS



## Silicone VMQ A30 - A80

## Material Qualities

### Silicone VMQ A30 - A80

Property	Standard	A30	A40	A50	A60	A70	A80
Elongation @ Break [%]	DIN 53504 ISO/DIS 37	950	850	840	710	600	290
Tear Strength [N/mm]	ASTM D624B	25	24	35	35	39	18
Compression Set [%]	DIN ISO 815 (22h/175°C)	25	24	25	25	25	40
Dielectric Strength [KV/mm]	VDE 0303	20	20	20	20	20	20
Operation Temperature [°C]		-60 / +200	-60 / +200	-60 / +200	-60 / +180	-40 / +180	-40 / +180
Colour		transparent or coloured	transparent or coloured	transparent or coloured	transparent or coloured	transparent or coloured	transparent or coloured