

BIW Isolierstoffe GmbH

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Certified management system by:

- IATF16949
- ISO9001
- ISO13485
- ISO14001
- ISO50001
- IIP (Investors in People)



TECHNICAL DATASHEET

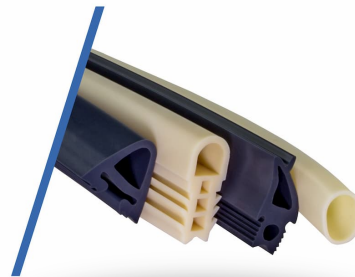
INDUSTRIES AND APPLICATIONS



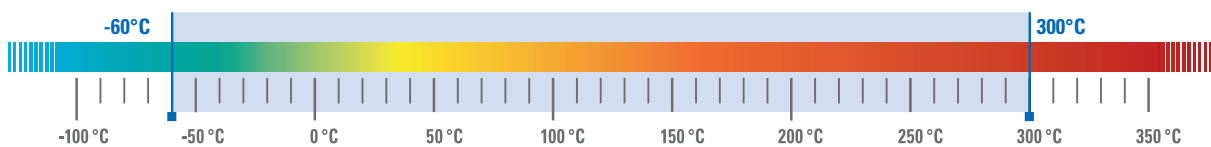
Silicone VMQ A30 - A80 (300°C/280°C)

Key properties

- High-temperature resistant
- Platinum vulcanised
- Temperature range -60 °C - 300 °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
- 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 - 300	A40 - 300	A50 - 300	A60 - 300	A70 - 280	A80 - 280
Hardness [Shore A]	DIN 53505 DIN EN ISO 868	30±5	40±5	50±5	60±5	70±5	80±5
Density [g/cm ³]	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

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Material Qualities

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Property	Standard	A30 - 300	A40 - 300	A50 - 300	A60 - 300	A70 - 280	A80 - 280
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 / +300	-60 / +300	-60 / +300	-60 / +300	-40 / +280	-40 / +280
Colour		light ivory or blue grey	light ivory or blue grey	light ivory or blue grey	light ivory or blue grey	light ivory or blue grey	light ivory or blue grey