

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

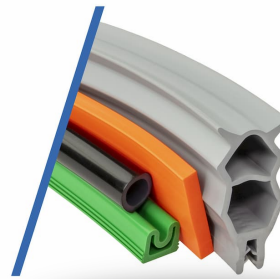
INDUSTRIES AND APPLICATIONS



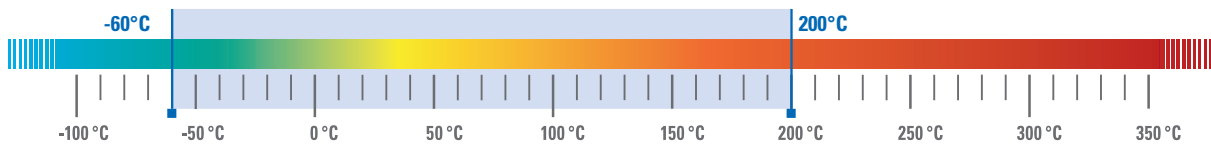
Silicone VMQ P10 - P90

Key properties

- Peroxide curing
- Temperature range -60 °C - 200 °C
- With special settings up to -90 °C possible
- 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	P10	P20	P30	P40	P50	P60	P70	P80	P90
Hardness [Shore A]	DIN 53505 DIN EN ISO 868	10 +10/-0	20 +8/-3	30 +8/-3	40±5	50±5	60±5	70±5	80±5	90 +0/-10
Density [g/cm³]	DIN 53479 ISO/R 1183	1.07	1.11	1.11	1.12	1.15	1.17	1.18	1.19	1.20
Tensile Strength [MPa]	DIN 53504 ISO/DIS 37	6.3	8.6	9.0	9.5	10.5	10.4	10.7	10.1	8.3

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Certified management system by:

- IATF16949
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TECHNICAL DATASHEET

INDUSTRIES AND APPLICATIONS



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Material Qualities

Silicone VMQ P10 - P90

Property	Standard	P10	P20	P30	P40	P50	P60	P70	P80	P90
Elongation @ Break [%]	DIN 53504 ISO/DIS 37	1200	920	700	550	480	390	400	400	300
Tear Strength [N/mm]	ASTM D624B	17.5	18	16.5	16	20	20	22	25	19
Compression Set [%]	DIN ISO 815 (22h/175°C)	40	35	45	45	50	50	40	50	55
Dielectric Strength [KV/mm]	VDE 0303	20	20	20	20	20	20	20	20	20
Colour		translucent or coloured	translucent or coloured	transparent or coloured	transparent or coloured	transparent or coloured	transparent or coloured	transparent or coloured	transparent or coloured	transparent or coloured
Operation Temperature [°C]		-60 / +200	-60 / +200	-60 / +200	-60 / +200	-60 / +200	-60 / +200	-60 / +200	-40 / +180	-40 / +180