

- IATF16949
- ISO9001
- ISO13485
- ISO14001
- ISO50001

INDUSTRIES AND APPLICATIONS



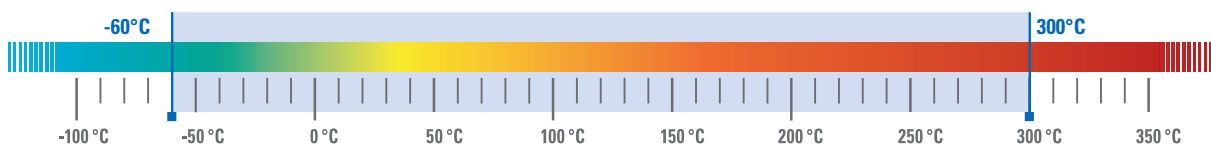
Silicone VMQ P10 - P 90 (300°C/280°C)

Key properties

- High Temperature resistant
- Peroxide curing
- Temperature range -60 °C - 300 °C
- With special settings up to -90 °C possible
- 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. Please get directly in touch with us.



Application temperature



Material Qualities

Property	Standard	P10 - 300	P20 - 300	P30 - 300	P40 - 300	P50 - 300	P60 - 300	P70 - 300	P80 - 280	P90 - 280
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
Elongation @ Break [%]	DIN 53504 ISO/DIS 37	1200	920	700	550	480	390	400	400	300

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Certified management system by:

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TECHNICAL DATASHEET

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Property	Standard	P10 - 300	P20 - 300	P30 - 300	P40 - 300	P50 - 300	P60 - 300	P70 - 300	P80 - 280	P90 - 280
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
Operation Temperature [°C]		-60 / +300	-60 / +300	-60 / +300	-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	light ivory or blue grey	light ivory or blue grey	light ivory or blue grey