

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

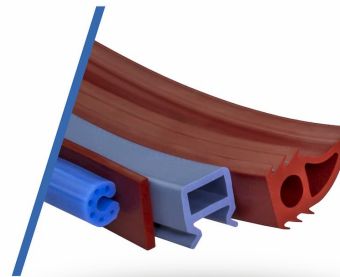
INDUSTRIES AND APPLICATIONS



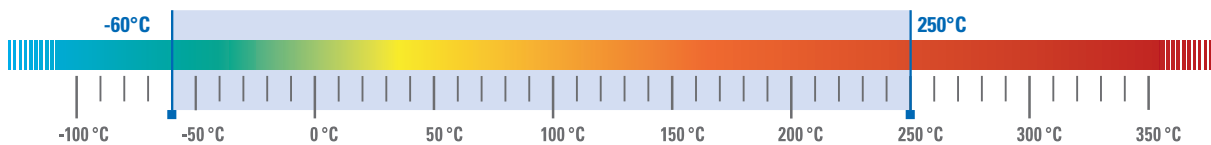
Silicone VMQ P10 - P 90 (250°C/240°C)

Key properties

- Peroxide curing
- Temperature range -60 °C - 250 °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
- 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 - 250	P20 - 250	P30 - 250	P40 - 250	P50 - 250	P60 - 250	P70 - 250	P80 - 240	P90 - 240
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:

- IATF16949
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**When it comes
to competence**

TECHNICAL DATASHEET

INDUSTRIES AND APPLICATIONS

**Silicone VMQ P10 - P 90 (250°C/240°C)****Material Qualities****Silicone VMQ P10 - P 90 (250°C/240°C)**

Property	Standard	P10 - 250	P20 - 250	P30 - 250	P40 - 250	P50 - 250	P60 - 250	P70 - 250	P80 - 240	P90 - 240
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 / +250	-60 / +250	-60 / +250	-60 / +250	-60 / +250	-60 / +250	-60 / +250	-40 / +240	-40 / +240
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