

- IATF16949
- ISO9001
- ISO13485
- ISO14001
- ISO50001

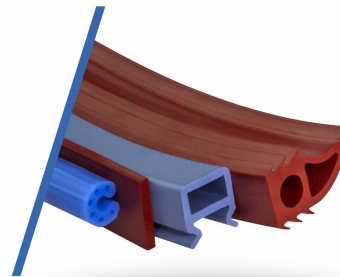
INDUSTRIES AND APPLICATIONS



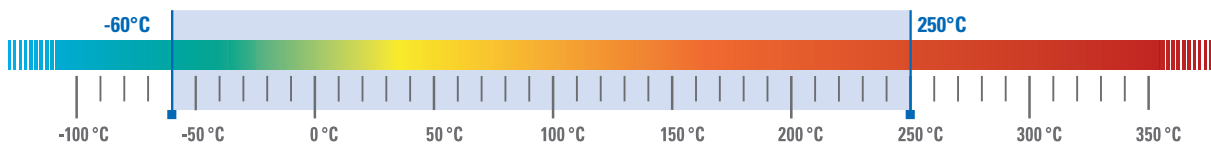
## Silicone VMQ P10 - P 90 (250°C/240°C)

### 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
- ISO9001
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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