

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

INDUSTRIES AND APPLICATIONS



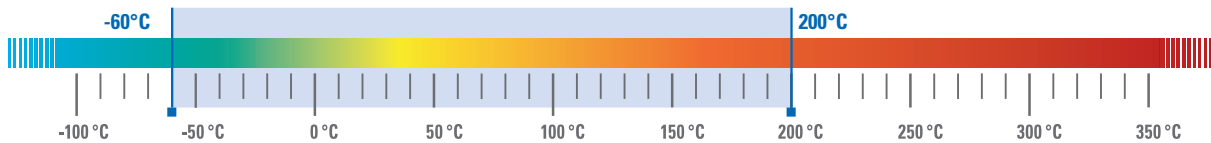
Silicone VMQ LSR L20 - L80

Key properties

- Platinum vulcanised
- Temperature range -60 °C - 200 °C
- 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	L20	L30	L40	L50	L60	L70	L80
Hardness [Shore A]	DIN 53505 DIN EN ISO 868	20 +7/-3	30 +7/-3	40±5	50±5	60±5	70±5	80±5
Density [g/cm³]	DIN 53479 ISO/R 1183	1.10	1.10	1.12	1.13	1.13	1.16	1.16
Tensile Strength [MPa]	DIN 53504 ISO/DIS 37	8.0	7.5	8.5	9.5	9.4	9.5	7.3

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Certified management system by:

- IATF16949
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TECHNICAL DATASHEET

INDUSTRIES AND APPLICATIONS



Silicone VMQ LSR L20 - L80

Material Qualities

Silicone VMQ LSR L20 - L80

Property	Standard	L20	L30	L40	L50	L60	L70	L80
Elongation @ Break [%]	DIN 53504 ISO/DIS 37	720	650	590	500	350	320	215
Tear Strength [N/mm]	ASTM D624B	21	30	30	35	26	21	14.5
Compression Set [%]	DIN ISO 815 (22h/175°C)	15	20	25	25	15	22	24
Dielectric Strength [KV/mm]	VDE 0303	20	20	20	20	20	20	20
Operation Temperature [°C]		-60 / +200	-60 / +200	-60 / +200	-60 / +200	-60 / +200	-40 / +180	-40 / +180
Colour		transparent or coloured	transparent or coloured	transparent or coloured	transparent or coloured	transparent or coloured	transparent or coloured	transparent or coloured

Miscellaneous

For many colours our silicone product conforms with recommendation XV BfR and CFR 21 FDA §177.2600. For mandatory information check individual article description.