BIW Isolierstoffe GmbH

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Certified management system by:

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

When it comes to competence

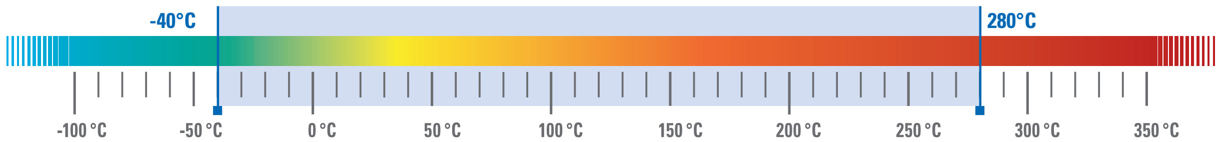
INDUSTRIES AND APPLICATIONS

Silicone VMQ LSR L20 - L80 (280°C)

Key properties

- Platinum vulcanised
- Temperature range -40 °C - 280 °C
- 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
- 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 - 280	L30 - 280	L40 - 280	L50 - 280	L60 - 280	L70 - 280	L80 - 280
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
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

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Property	Standard	L20 - 280	L30 - 280	L40 - 280	L50 - 280	L60 - 280	L70 - 280	L80 - 280
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]		-40 / +280	-40 / +280	-40 / +280	-40 / +280	-40 / +280	-40 / +280	-40 / +280
Colour		Black	Black	Black	Black	Black	Black	Black

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.