

## BIW Isolierstoffe GmbH

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## Certified management system by:

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



TECHNICAL DATASHEET

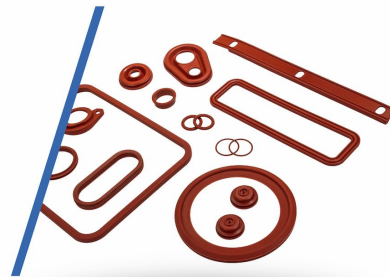
## INDUSTRIES AND APPLICATIONS



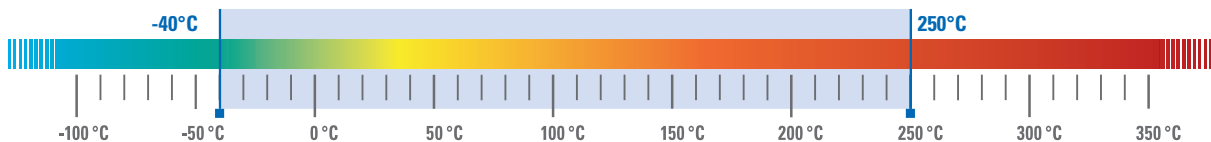
# Silicone VMQ LSR L20 - L80 (250°C)

## Key properties

- Platinum vulcanised
- Temperature range -40 °C - 250 °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 - 250	L30 - 250	L40 - 250	L50 - 250	L60 - 250	L70 - 250	L80 - 250
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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*When it comes  
to competence*

TECHNICAL DATASHEET

## INDUSTRIES AND APPLICATIONS



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## Material Qualities

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Property	Standard	L20 - 250	L30 - 250	L40 - 250	L50 - 250	L60 - 250	L70 - 250	L80 - 250
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 / +250	-40 / +250	-40 / +250	-40 / +250	-40 / +250	-40 / +250	-40 / +250
Colour		Red brown	Red brown	Red brown	Red brown	Red brown	Red brown	Red brown

## 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.