

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

INDUSTRIES AND APPLICATIONS



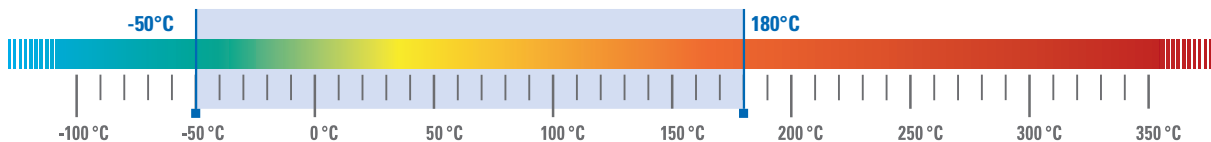
Silicone VMQ EA50 - EA70 -- electrically conductive

Key properties

- Electrically conductive
- Platinum vulcanised
- Temperature range -50 °C - 180 °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



Application temperature



Material Qualities

Property	Standard	EA50	EA60	EA70
Hardness [Shore A]	DIN 53505 DIN EN ISO 868	50±5	60±5	70±5
Density [g/cm³]	DIN 53479 ISO/R 1183	1.13	1.15	1.17
Tensile Strength [MPa]	DIN 53504 ISO/DIS 37	6.0	6.0	6.0
Elongation @ Break [%]	DIN 53504 ISO/DIS 37	350	250	200
Tear Strength [N/mm]	ASTM D624B	12	14	12

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Certified management system by:

- IATF16949
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TECHNICAL DATASHEET

INDUSTRIES AND APPLICATIONS



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conductive**

Material Qualities

Silicone VMQ EA50 - EA70 -- electrically conductive

Property	Standard	EA50	EA60	EA70
Compression Set [%]	DIN ISO 815 (22h/175°C)	25	30	30
Volume resistivity [Ohm cm]	VDE 0303	12	7	2
Operation Temperature [°C]		-50 / +180	-50 / +180	-50 / +180
Colour		black	black	black