

RAVELAST

POLYMERS

High conductive silicone for challenging conditions.



We offer the most mechanically durable high conductive silicone.

Electrofunctional silicones are light, cost-efficient, simple to manufacture, flexible and have better corrosion resistance compared to the metal-made solutions.

Our production method enables maintaining the mechanical qualities of silicone, and still tailoring the hardness and resistance values according to the application needs.

Features:

- Hardness: 20 –90 shA
- Resistance: $<10-10^{11} \Omega \cdot \text{cm}$
- Temperature area: -55C - +210C.
- Color: black (other colors available for lower conductive qualities)
- Tensile strength: MPa 5,6 ISO 37 (referential, depending on other properties)
- Elongation at break: 670%, ISO 37 (referential, depending on other properties)
- Excellent resistance to e.g. UV, oxygen, ozone, water and changes in temperature.

Examples of application areas for high conductive silicones:

- EMI-protection, polymer matrix dampens EMI-signals
- Cable coatings
- Conductive gaskets
- Pressure sensors
- Flexible conductors
- Dielectric actuators
- Grounding materials etc.

Please contact us, and let's find a flexible solution together.

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