

### Description

Electrically conductive silicone compounds.

### Characteristics

- High electrical conductivity.
- Low volume resistivity.
- Resistance to high temperatures.
- Colour: only available in black.
- Good mechanical and electrical properties.
- Hardness: From 50 to 70 Sh A.
- Operating temperature: -60 to 200 °C.

### Technical Data

Material: High consistency silicone rubber (HCR) for high temperature vulcanization (HTV).

PROPERTIES	METHOD	UNITS			
Hardness	DIN 53505	Sh A (+/-5)	50	60	70
Density	DIN EN ISO 1183-1A	g/cc (+/-0.03)	1.10	1.12	1.16
Tensile Strength	DIN 53504 S 1	Mpa	>5.5	>5.5	>5.5
Elongation	DIN 53504 S 1	%	>350	>300	>200
Volume resistivity	DIN IEC 93	Ohm.cm	10+/-2	3+/-0.5	4+/-1

\*All data are obtained after press curing with crosslinker C1 15min 165 °C, 4hr 200 °C. / This information serves only as a guide and should not be used to create specifications.

PROCESSING-VULCANIZATION	Compression and/or injection moulding Autoclave Extrusion
APPLICATIONS	Accessories for cables, interconnectors, keyboards, components for high voltage insulators Sheets Profiles and tubes Rollers
SECTORS	Electrical Transportation (automotive, rail, aviation, naval) Industrial machinery Household appliances

PACKAGING/DOSAGE	SILAM CON is supplied in 20, 270 or 540 kg. cardboard boxes. It can be supplied preformed in: <ul style="list-style-type: none"> <li>• Sheets available in different thicknesses.</li> <li>• Endless strips (several strip dimensions).</li> <li>• Blocks.</li> </ul>
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STORAGE / SERVICE LIFE	The silicone compounds should be stored in a closed area and at a temperature below 30°C.  The expiry date is indicated on the label. Product may exhibit altered characteristics if used after expiration date.
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#### Warning to users

The information contained in this document is given in good faith based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third party rights through the use of our products.

SILAM SILICONES GUARANTEES THAT ITS PRODUCTS COMPLY WITH ITS SALES SPECIFICATIONS.

This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for a given use. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorisations. Users are requested to check that they are in possession of the latest version of this document and SILICONAS SILAM is at their disposal to supply any additional information.