

Description

Silicone compounds detectable by magnetic fields suitable for all kinds of vulcanization processes.

Characteristics

- Detectable by metal detectors.
- Good mechanical properties.
- The products which are postcured are suitable for food handling according to CFR 21/177.2600 FDA regulation and section "XV Silicones" of the BfR.
- Available in a wide range of colours.
- Operating temperature: -60 to 200 °C.
- Hardness: From 30 to 80 Sh A.

Technical Data

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

PROPERTIES	METHOD	UNITS							
Hardness	DIN 53505	Sh A (+/-5)	30	40	50	60	70	80	
Density	DIN EN ISO 1183-1A	g/cc (+/-0.03)	1.11	1.12	1.13	1.14	1.18	1.21	
Tensile Strength	DIN 53504 S 1	Mpa	>8	>8.5	>8.5	>9	>9	>7.5	
Elongation	DIN 53504 S 1	%	>500	>450	>400	>350	>350	>250	
Tear Strength	ASTM 624 B	N/mm	>18	>18	>20	>22	>20	>15	

*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
Extrusion
Autoclave

APPLICATIONS

Brackets, hoses, seals, dampers, all type of technical parts
Sheets
Profiles
Tubes
Silicone coated rollers
Automation of assembly processes

SECTORS

Transportation (automotive, rail, aviation, naval)
Household appliances
Construction
Industrial machinery
Machinery for the food industry

PACKAGING/DOSAGE

SILAM MAG is supplied in 20, 270 or 540 kg. cardboard boxes. It can be supplied preformed in:

- Sheets available in different thicknesses.
- Endless strips (several strip dimensions).
- Blocks.

STORAGE / SERVICE LIFE

The compound 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.

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.