

## ***ELECTROSIL 540***

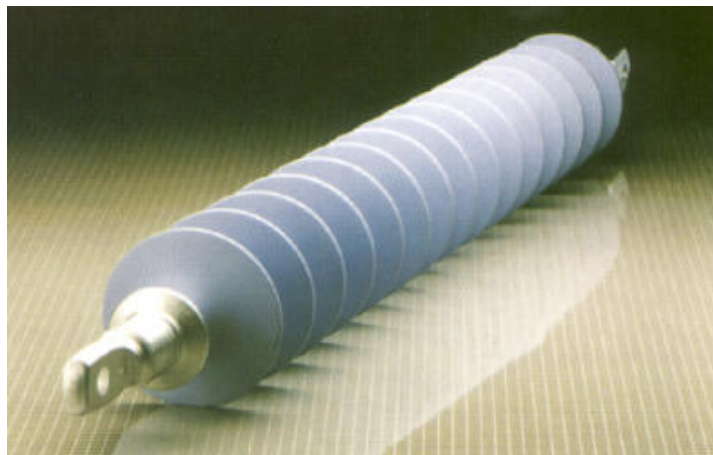
### ***Silicone Elastomer for High Voltage Insulator Application***

#### **PRODUCT DESCRIPTION**

Electrosil 540 is a 70 durometer ready to use peroxide cured silicone rubber compound for high voltage insulator applications which require excellent performance in all types of environments. Typical applications include Composite insulators, Surge Arrestors, Hollow core Insulators etc....

#### **KEY PRODUCT FEATURES**

- Excellent Tracking and Erosion Resistance
- Excellent Processability
- Superior Water Repellence (Hydrophobicity)
- Good mold release
- Good Dielectric Strength



#### **PRODUCT DATA**

The following data was obtained on compression molded 2.00 (±0.2) mm ASTM slabs of Electrosil 540 elastomer compounded and catalyzed in the laboratory and molded at 155 C

<b>Test</b>	<b>Standard</b>	<b>value</b>
Specific Gravity	ASTM D792	1.55
Hardness	ASTM D2240	70 +/- 5
Tear Strength	ASTM D624	>15 N/mm
Tensile strength	ASTM D412	> 4 MPa
Elongation	ASTM D412	>200%
Arc Resistance	ASTM 495	>300 sec
Dielectric strength	ASTM D149	24 kV/mm
Resistance to tracking and erosion	ASTM 2303/IEC 60587	1A4.5 kV
Flammability	UL-94	V0
Volume Resistivity	ASTM D257-14	10 <sup>14</sup> Ohm-cm

These figures are intended as a guide and should not be used in preparing specifications.

## PROCESSING

Electrosil 540 is ready to use and fully formulated. Cure and processing conditions should be verified by the fabricator and will depend on the processing equipment used.

Electrosil 540 can be processed by Compression, Transfer & Injection molding techniques.

## SAFETY INFORMATION

During the vulcanization of this product, small amounts of rubber base volatiles and peroxide decomposition products are released. Work areas must be well ventilated.

## STORAGE

Electrosil 540 material should be kept away from direct sunlight. It is recommended to store below 25C in original packing for achieving optimal results. Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

## SPECIFICATIONS

Typical property data values should not be used as a basis for product specifications. Assistance and recommendations are available by Siltek Advanced materials India Private Limited.

## PACKAGING

This product is available in 20 kg boxes sheeted, preformed or bulked, wrapped in plastic film.

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