



primasil
silicones

silTM 500 Electro Technical HTV Silicone

Limitations

These products may not be suitable for medical or pharmaceutical applications unless specifically instructed.

Health & Environment

Please refer to the Health & Safety Data Sheet. These can be obtained at www.primasil.com/h&s, or by emailing: h&s@primasil.com

Contact details

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50-80 Shore A Durometer, peroxide cured, silicone rubber compounds.

Applications

The wire & cable grades have exceptional resistance to ageing factors such as oxygen, ozone, humidity and mould. If required, these materials can also be supplied with a high ash cohesion level and low burning toxicity. The insulator grades resist combustion arc tracking and environmental degradation. As such, they are ideally suited for use with high voltage and power transmission equipment such as insulators, surge arresters, and casing pipe.

Typical Properties

	Wire & Cable grades	Insulator grades
Durometer Hardness (Shore A)	50 - 70	70 - 80
Specific Gravity	1.14 – 1.32	1.5 – 1.6
Tensile Strength (Mpa)	8 - 11	5 - 6
Elongation (%)	200 - 500	150 - 300
Tear Strength (kN/m)	15 - 25	14 - 18
Dialectic strength (kV/mm,2mm)	20	20
Volume Resistivity (ohms / cm)	10¹⁵	n/a
Dielectric constant at 1MHz	2.8 - 4	3.3 - 4
Oxygen Index (%)	22 - 32	35 - 42
Colours available	All	Grey/White

Shelf Life

When stored at or below 30°C in the original unopened containers, this product has a usable life of up to 6 months from the date of production.

Packaging

Normally supplied in 25kg, 250kg, or 500kg boxes. It can be delivered in dolly, sheet or preform.

Limited warranty information: This information is believed to be accurate. However, as the use of Primasil Silicones Ltd products are not within our control, this information should not be used as a substitute for customers' own tests. Primasil Silicones Ltd sole warranty is that this product will meet Primasil Silicones Ltd test criteria at the time of production. Your exclusive remedy for breach of such warranty is limited to refund of purchase price. Primasil Silicones Ltd will take no responsibility whatsoever for any consequential loss.