

# 5075 Insulating Sealing Wrap



## Product Description

LOCTITE® SI 5075 provides the following product characteristics:

<b>Technology</b>	Silicone wrap
Appearance	Red, black
Components	One component – requires no mixing
<b>Cure</b>	Not applicable
Operating temperature	-54°C to +260°C
Thickness	0.5mm
<b>Application</b>	Bonding

LOCTITE® SI 5075 is a self-fusing, silicone rubber wrap that is recommended for reliable, temporary repairs on a variety of substrates. LOCTITE® SI 5075 does not bond to the substrate so it must be used as a wrap due to the self-fusing properties of the tape. Typical applications includes flexible hose repair, pipe repair, tool handle wrap, and electrical insulative wrap.

## Typical Properties of Cured Material

### Physical Properties:

Shore hardness, ISO 868, durometer A	50	
<b>ISO 527-3</b>	<b>N/mm<sup>2</sup></b>	<b>psi</b>
Tensile strength	4.8	700
Elongation	300%	
<b>ISO 34-1</b>	<b>N/mm<sup>2</sup></b>	<b>psi</b>
Tear strength	0.6	85
<b>ISO 62</b>		
Water absorption, by weight	≤3	

### Electrical Properties:

<b>IEC 60093</b>	<b>Ω</b>
Surface resistivity	74.3×10 <sup>15</sup>
<b>IEC 60093</b>	<b>Ω·cm</b>
Volume resistivity	1×10 <sup>14</sup>
<b>IEC 60250</b>	<b>1kHz</b>
Dielectric constant/dissipation factor	2.95 / <0.0004
<b>Dielectric Breakdown Strength, IEC 60243-1</b>	<b>kV/mm</b>
0.25 to 0.76mm	15.7
1.02mm	11.8
1.3mm	10.8
1.5mm	9.8
1.7 to 2.0mm	7.9



## General Information

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

### Directions for use:

- 1 Separate LOCTITE® SI 5075 from the liner.
- 2 Peel away enough silicone wrap to complete the repair.
- 3 Press one end onto the surface and begin to wrap.
- 4 Stretch the silicone wrap tightly while wrapping over the repair area.
- 5 Wrap the repair area with a two-thirds overlap for a proper seal.
- 6 Finish wrapping by overlapping the silicone wrap with a previous layer.

### Not for product specifications

The technical data contained herein are intended as reference only. Please contact your local quality department for assistance and recommendations on specifications for this product.

### Storage

Store product in the unopened container in a dry location. Storage information may be indicated on the product container labelling.

**Optimal Storage: +8°C to +21°C.**

**Storage below +8°C or greater than +28°C can adversely affect product properties.**

Material removed from containers may be contaminated during use. Do not return product to the original container. Henkel Corporation cannot assume responsibility for product which has been contaminated or stored under conditions other than those previously indicated. If additional information is required, please contact your local Technical Service Centre or Customer Service Representative.