



# LOCTITE<sup>®</sup> 5075

October 2012

## PRODUCT DESCRIPTION

LOCTITE<sup>®</sup> 5075 provides the following product characteristics:

<b>Technology</b>	Silicone Wrap
<b>Appearance</b>	red
<b>Components</b>	One component - requires no mixing
<b>Cure</b>	Not applicable
<b>Operating Temperature</b>	-54 to 260 °C
<b>Thickness</b>	0.5 mm
<b>Application</b>	Sealing and Insulating

LOCTITE<sup>®</sup> 5075 is a self-fusing, silicone rubber wrap that is recommended for reliable, temporary repairs on a variety of substrates. LOCTITE<sup>®</sup> 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
Tensile Strength, ISO 527-3	N/mm <sup>2</sup> 4.8 (psi) (700)
Tear Strength, ISO 34-1	N/mm <sup>2</sup> 0.6 (psi) (85)
Elongation, ISO 527-3, %	300
Water Absorption, ISO 62, %: By Weight	≤3

### Electrical Properties:

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

## GENERAL INFORMATION

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

## Directions for use:

1. Separate LOCTITE<sup>®</sup> 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 labeling.

**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 Center or Customer Service Representative.

## Note

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, **Henkel Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.** The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Henkel Corporation patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.



**Trademark usage**

Except as otherwise noted, all trademarks in this document are trademarks of Henkel Corporation in the U.S. and elsewhere. ® denotes a trademark registered in the U.S. Patent and Trademark Office.

Reference 0.1