

### PRODUCT DESCRIPTION

Loctite® NSWC 100 is a non-silicone, water cleanable thermal compound suitable for use between a heat sink and a variety of heat generating components. Loctite® NSWC 100 eliminates migration issues with silicone based greases and can be applied manually, with automatic dispensing or screen-printing systems. This product is available in cartridges or bulk containers.

### TYPICAL APPLICATIONS

Loctite® NSWC 100 is an excellent solution for CPU, GPU and various power electronics applications where additional thermal performance is needed.

### MATERIAL PROPERTIES

#### Material Property

Color	Visual	White
Specific Gravity	g/cc	2.5
Thermal Conductivity	W/m-K	1.4
Temperature Range	°C	-40 to 150

### ELECTRICAL PROPERTIES

Volume Resistivity	Ohm-cm	$1.9 \times 10^{15}$
Dielectric Constant	1,000 Hz	5.0
Dielectric Strength	V/mil	250 minimum

### GENERAL INFORMATION

For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).

#### Directions for use

Complete directions for use are available by calling 888-9-HENKEL.

#### Storage

Prior to assembly products shall ideally be stored in a cool, dry location in original packaging at room temperature.

#### Data Ranges

The data contained herein may be reported as a typical value and/or range (based on the mean value  $\pm 2$  standard deviations). Values are based on actual test data and are verified on a periodic basis.

#### 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 which 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.

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