

## LOCTITE TAF-8800

October 2012

### PRODUCT DESCRIPTION

LOCTITE TAF-8800 provides the following product characteristics:

<b>Technology</b>	Thermal Absorbing Film
Typical Assembly Applications	Attached to the inside of the device that needs to be cooled
<b>Application</b>	Thermal management

LOCTITE TAF-8800 is a heat absorbing material designed to reduce the skin temperature of mobile electronic devices. It can effectively absorb, spread, insulate and slowly dissipate thermal energy generated by ICs, allowing the device to maintain a lower skin temperature.

This material is available as a coating set between two copper substrates with a total film thickness of 0.265 mm. Part size must be optimized depending on the application.

### MATERIAL PROPERTIES

#### Coating Material Properties

Density, g/cc	0.36
Heat of Fusion, J/g	115
Thermal Conductivity, W/(m-K)	0.1
Thickness, mm	0.14
Thickness Tolerance:	
Typical, mm	±0.025
Best, mm	±0.01

Flammability - see MSDS

#### Substrate Material Properties

Substrate Type	C1100 Cu
Thickness:	
Layer 1, mm	0.025
Layer 2, mm	0.1

### GENERAL INFORMATION

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

#### Storage

Store in original packaging in clean, dry areas. Storage information may be indicated on the product container labeling. Usable shelf life may vary depending on method of application and storage conditions

**Optimal Storage : 25 °C**

**Maximum Storage : 35 °C**

Material removed from packaging may be contaminated during use. 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

#### 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.

#### Conversions

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$   
 $\text{kV/mm} \times 25.4 = \text{V/mil}$   
 $\text{mm} / 25.4 = \text{inches}$   
 $\text{N} \times 0.225 = \text{lb}$   
 $\text{N/mm} \times 5.71 = \text{lb/in}$   
 $\text{N/mm}^2 \times 145 = \text{psi}$   
 $\text{MPa} \times 145 = \text{psi}$   
 $\text{N}\cdot\text{m} \times 8.851 = \text{lb}\cdot\text{in}$   
 $\text{N}\cdot\text{m} \times 0.738 = \text{lb}\cdot\text{ft}$   
 $\text{N}\cdot\text{mm} \times 0.142 = \text{oz}\cdot\text{in}$   
 $\text{mPa}\cdot\text{s} = \text{cP}$

#### Disclaimer

##### Note:

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