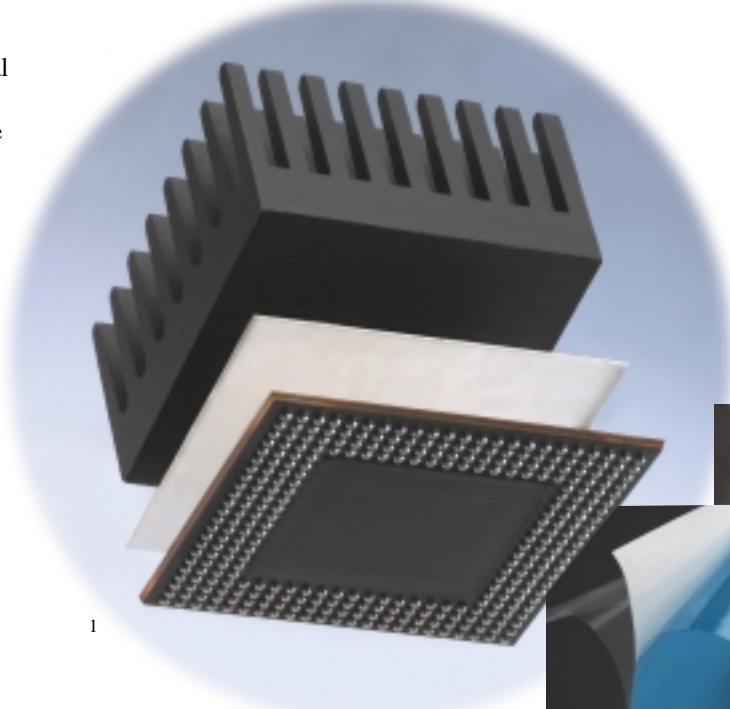




# Thermally Conductive Adhesive Transfer Tapes

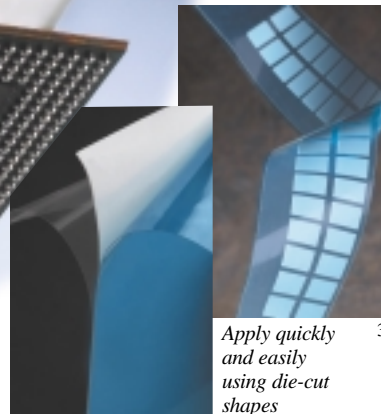
## 8805, 8810, 8815, 8820

3M's highest mechanical strength thermally conductive tapes feature excellent adhesion properties, improved surface wetout, and excellent shock performance. Available in 5, 10, 15 and 20 mil thicknesses.



**UL 746C Listing**  
Component Electrical Equipment:  
(File MH17478, Category QOQW2)

- High temperature adhesion
- Dielectric strength



Apply quickly and easily using die-cut shapes

2

### Productivity

- Tapes bond with light pressure and have **immediate tack**
- Avoid the mess, hassle and cost of greases and clips\*
- Eliminate long cure times and fixturing of liquid adhesives
- Can be die-cut and pre-applied to one surface for later bonding

### Reliability

- **High mechanical strength** for securely attaching heat sinks and heat spreaders
- Elastomeric properties of adhesive provide **excellent shock performance**
- High dielectric strength provides electrical isolation
- Tape provides high degree of **thickness control**

### Performance

- **Improved surface wetout** lowers thermal impedance
- **Pure adhesive film construction** means no carrier to hinder gap filling
- No carrier also means **fewer material interfaces**, a leading cause of poor thermal performance

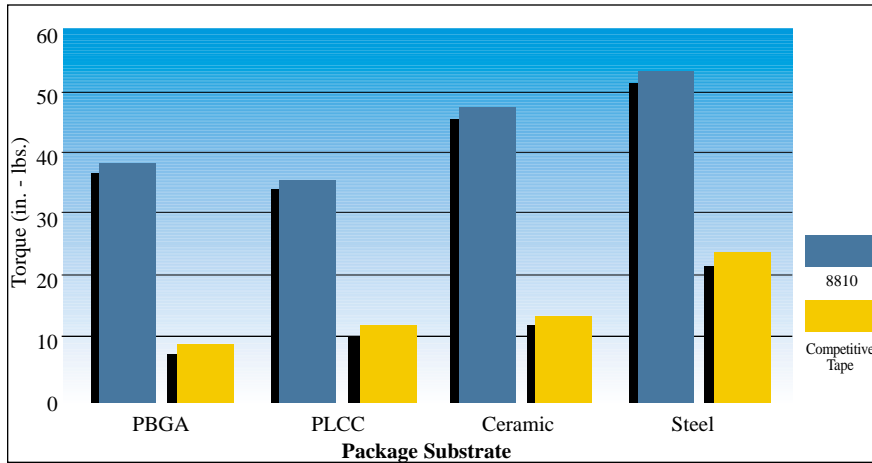


No Grease!  
No Clips!\*

\*Some particularly demanding applications may require mechanical fixturing—please consult data page.

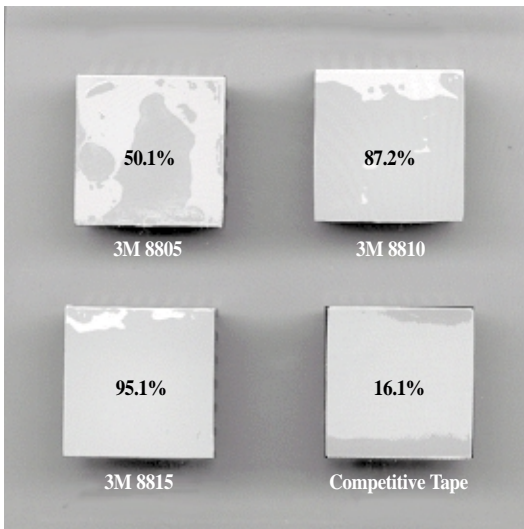
# 3M™ Thermally Conductive Adhesive Transfer Tapes 8805, 8810, 8815, 8820

## Torque Resistance



High mechanical strength helps keep heat sinks where they are supposed to be.

## % Wetout of Heat Sink to Glass Slide



Increased wetout improves both mechanical and thermal performance.

Dark areas show adhesive wetout.

4

## Additional product information or sales assistance: 1-800-223-7427.

**Note:** The above technical information and data should be considered representative or typical only and should not be used for specification purposes.

**IMPORTANT NOTICE:** 3M MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of application. Please remember that many factors can affect the use and performance of a 3M product in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions in which the product is expected to perform are among the many factors that can affect the use and performance of a 3M product. Given the variety of factors that can affect the use and performance of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

**LIMITATION OF REMEDIES AND LIABILITY:** If the 3M product is proved to be defective, THE EXCLUSIVE REMEDY, AT 3M'S OPTION, SHALL BE TO REFUND THE PURCHASE PRICE OF OR TO REPAIR OR REPLACE THE DEFECTIVE 3M PRODUCT. 3M shall not otherwise be liable for any loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including but not limited to contract, negligence, warranty, or strict liability.



Electronic Adhesives and Specialties Department  
Engineered Adhesives Division

3M Center, Building 220-7E-01  
St. Paul, MN 55144-1000  
www.3M.com/conductives



40% Pre-consumer waste paper  
10% Post-consumer waste paper

Printed in U.S.A.  
Copyright © 2002 3M 78-9236-7049-7