3M™ Liquid UV-Curable Adhesive LC-3200 Storage and Crystallization Recovery Procedure

Storage Conditions

3M™ Liquid UV-Curable Adhesive LC-3200 may undergo polymer crystallization if exposed to temperatures below 15°C for extended periods. This can occur either during shipping or storage. This technical bulletin outlines the method to reheat the material to help eliminate the polymer crystallization prior to use.

Storage and Crystallization Recovery Procedure

3M adhesive LC-3200 should be maintained at temperatures above 15°C to prevent polymer crystallization. Polymer crystallization will temporarily render the material unfit for use. Crystallization can be reversed by heating the material per one of the following reheat options outlined in Table A for standard 1 gallon/3.5 liter plastic bottles.

Reheat Options	Adhesive Temperature	Time
Option 1	40°C	18 hours
Option 2	50°C	15 hours
Option 3	60°C	12 hours

Table A. Thermal Heat Cycle

Reheat recommendations:

1. The 40°C for 18 hour heat cycle is recommended
2. The bottle cap should be loosened during the reheat process to increase oxygen flow to the adhesive surface.
3. Immediately after reheating and securing the bottle cap, the bottle may be gently agitated by rolling on a flat surface. This process will help to equalize temperature variation in the material. **NOTE: do not shake or stir the material.**
4. 3M adhesive LC-3200 must return to uniform room temperature (~23°C) inside the bottle before connecting to the WSS Mounter dispense system. The minimum amount of time needed to return to a room temperature of 23°C from the maximum heat cycle temperature is provided below.

Cooling Options	Adhesive Temperature	Time
Option 1	40°C	6 hours
Option 2	50°C	7 hours
Option 3	60°C	8 hours

Table B. Return to 23°C Room Temp Cooling Time

Safety Data Sheet

Consult Safety Data Sheet before use.

Regulatory

For regulatory information about this product, contact your 3M representative.

Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

Warranty, Limited Remedy, and Disclaimer

Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability

Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

3M

Electronics Materials Solutions Division
3M Center, Building 225-3S-06
St. Paul, MN 55144-1000
1-800-251-8634 phone
651-778-4244 fax
www.3M.com/electronics

60-5002-0409-8

3M