

## 3M™ Light-To-Heat Conversion Release Coating (LTHC) Ink

### Product Description

3M™ Light-To-Heat-Conversion Release Coating (LTHC) Ink is a solvent based coating applied using a spin coating method. This coating forms the light to heat conversion layer on a glass substrate for 3M™ Wafer Support System.

### Key Features

- Enables stress free, room temperature debonding of adhesive to glass carrier interface with laser irradiation
- Compatible with typical semiconductor chemistries and processes

### Typical Physical Properties and Performance Characteristics

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes. Final product specifications and testing methods will be outlined in the product's Certificate of Analysis (COA) that is shipped with the commercialized product.

3M™ Light-To-Heat-Conversion Release Coating (LTHC) Ink	
Property	Value
Base Resin	Acrylic
Color	Black Thixotropic liquid
Specific Gravity	1.00
Solid	11%
Solvent	1-Methoxy-2-propyl acetate 2-Butoxy Ethanol
Flash Point	45°C

### General Information

Standard container is 20L Stainless steel drum (UN: 1A1/X/250).

### Method of Usage

- Product must be stirred/mixed at 600-700 RPM for 12 hours before usage.
- Product must be stirred continuously while in use.

### Storage and Shelf Life

The shelf life of 3M™ Light-To-Heat-Conversion Release Coating (LTHC) Ink is six months after the date of shipping from 3M. Store this product under normal conditions of 5°C to 35°C in original container for maximum storage life.

### Certificate of Analysis (COA)

The 3M Certificate of Analysis (COA) for this product is established when the product is manufactured and deemed commercially available from 3M. The COA contains the 3M test methods, specifications limits and test results for the product's performance attributes that the product will be supplied against. Contact your local 3M representative for this product's COA.

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**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.

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