

LOCTITE 15C

March 2017

PRODUCT DESCRIPTION

LOCTITE 15C provides the following product characteristics:

Technology	Photopolymer
Color	Clear
Cure	Ultraviolet (UV) light
Product Benefits	• Low cure shrinkage
Application	Assembly
Typical Assembly Applications	Lamination, Coating and Bonding
Substrates	Glass, Most metals and Plastics

LOCTITE 15C is ideal for applications that require a glossy, "lens-like" finish. LOCTITE 15C has been used successfully in the lamination of nameplates, badges, labels, coating of plastic parts and also bonding applications in liquid crystal displays and other optical end products.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Mixed Viscosity, cps @ 25 °C:

ssa #14, 100 rpm 1,175

TYPICAL CURING PERFORMANCE**Typical UV Cure Condition**

Medium pressure mercury vapor lamp:

Light Intensity, watts/inch	200
Cure rate per minute, feet	5 to 10

The above cure profiles are guideline recommendations. Cure conditions (time and temperature) may vary based on customers' experience and their application requirements, as well as customer curing equipment, oven loading and actual oven temperatures.

TYPICAL PROPERTIES OF CURED MATERIAL**Physical Properties :**

Hardness, Shore A 83

Glass Transition Temperature (Tg), °C 11

GENERAL INFORMATION

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

DIRECTIONS FOR USE

- Carefully clean and dry all surfaces to be bonded.
- If packaged in BIPAX, remove clamp and thoroughly mix the

LOCTITE 15C epoxy adhesive system components in the handy BIPAX mixing-dispenser package until color is uniform throughout.

- If pre-mixed and frozen, thaw adhesive to room temperature. A 25°C water bath is recommended.
- Apply this completely mixed adhesive to the prepared surfaces, and gently press these surfaces together. Contact pressure is adequate for strong, reliable bonds; however, maintain contact until adhesive is completely cured.
- Cure at recommended cure schedules.

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.

STORAGE:

The expiration date is based upon dry storage conditions at or below 27°C, unless specified otherwise on the packaging, in the original, sealed and unopened containers for BIPAX, TRA-PAX and bulk packaged materials. The expiration date for pre-mixed and frozen materials is based upon dry storage conditions at or below the temperature indicated on each package. Contents may separate during storage. Resin or hardener in bulk containers (e.g., quarts, gallons) should be thoroughly mixed prior to combining them to obtain all the benefits of the properties designed into the formulation. Store product in the unopened container in a dry location. Storage information may be indicated on the product container labeling.

Optimal Storage : 27 °C.

Material removed from containers may be contaminated during use. Do not return product to the original container. 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.

Conversions

(°C x 1.8) + 32 = °F

kV/mm x 25.4 = V/mil

mm / 25.4 = inches

N x 0.225 = lb

N/mm x 5.71 = lb/in

psi x 145 = N/mm²

MPa = N/mm²

N·m x 8.851 = lb·in

N·m x 0.738 = lb·ft

N·mm x 0.142 = oz·in

mPa·s = cP

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