

LOCTITE STYCAST EO 8009

November 2016

PRODUCT DESCRIPTION

LOCTITE STYCAST EO 8009 provides the following product characteristics:

Technology	Epoxy
Appearance	Grey
Cure	Heat Cure
Application	Potting and Encapsulating

LOCTITE STYCAST EO 8009 epoxy, is a resilient, non-sag, heat cure glass adhesive. Non-sag properties are at room temperature and to 149°C in a 1/8 inch bead.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Specific Gravity @ 25°C	1.14
Viscosity @ 25 °C, mPa·s (cP)	325,000
Shelf Life @ -16°C, days	182

TYPICAL CURING PERFORMANCE

Gel Time

Gel Time, 20 gm mass @ 121 °C, minutes	40
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Recommended Cure Schedule

2 hours @ 121°C

Alternate Cure Schedule

1 hour @ 149°C

Cure time listed is the time required after the system and the unit reaches the cure temperature.

The above cure profile is a guideline recommendation. 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

Shore Hardness , Durometer D	70 to 75
Lap Shear, psi:	
Aluminum substrate	3,424
Valox substrate	845
Zytel substrate	1,302
Glass Transition Temperature (Tg), °C	39
CTE, above Tg, mm/mm/°C	7.7×10^{-5}
CTE, below Tg, mm/mm/°C	25.6×10^{-5}

GENERAL INFORMATION

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

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:

Store product in the unopened container in a dry location. Storage information may be indicated on the product container labeling.

Optimal Storage : -16 °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

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

Disclaimer

Note:

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Reference **N/A**