Technical Data Sheet

LOCTITE STYCAST EO 0206

December 2012

PRODUCT DESCRIPTION

LOCTITE STYCAST EO 0206 provides the following product characteristics:

Technology	Epoxy
Appearance	Black liquid
Product Benefits	• Low halogen content • Non-sag • One component
Cure	Heat cure
Application	Adhesive
Typical Package Application	Inductors

LOCTITE STYCAST EO 0206 epoxy system is designed for use on electronic devices.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Viscosity, Brookfield , 25 °C, mPa·s (cP):	
Spindle 7, speed 10 rpm	150,000
Specific Gravity	1.2
Pot life @ 25 °C, 250 gram mass, days	14
Shelf Life @ -20°C (from date of manufacture), days	183
Flash Point - See MSDS	

TYPICAL CURING PERFORMANCE

Gel Time

Gel @ 121ºC, minutes 14

Recommended Cure

2 hours @ 125°C

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

Glass Transition Temperature, °C	87
Chlorine (Cl)	599
Bromine (Br)	<50

TYPICAL PERFORMANCE OF CURED MATERIAL

Shear Strength

Lap Shear Strength :		
Aluminum to aluminum	N/mm²	17
	(psi)	(2,495)

GENERAL INFORMATION

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

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.

THAWING:

1. If frozen or refrigerated, allow container to reach room temperature before use, normally 24 to 48 hours.

DIRECTIONS FOR USE

1. It is recommended that this product is not cured in large quantities as excessive heat build-up and uncontrolled exothermal runaway can occur in masses in excess of 0.5 inches thick or more than 50 grams. Curing smaller quantities will minimize the heat build-up.

Storage

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

Optimal Storage : -20 °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
N/mm² x 145 = psi
MPa x 145 = psi
N·m x 8.851 = lb·in
N·m x 0.738 = lb·ft
N·mm x 0.142 = oz·in
mPa·s = cP

Disclaimer

Note:

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