

LOCTITE STYCAST ES 0626

November 2012

PRODUCT DESCRIPTION

LOCTITE STYCAST ES 0626 provides the following product characteristics:

Technology	Epoxy
Appearance, Resin (Component A)	White
Appearance, Hardener (Component B)	Amber
Appearance (cured)	White
Components	Two components - requires mixing
Mix Ratio, by volume - Part A: Part B	2.16 : 1
Mixing Ratio, by weight Component A: Component B	100 : 26
Cure	Heat Cure
Application	Potting, Encapsulating

LOCTITE STYCAST ES 0626 is a two part, white epoxy casting system with low abrasion and rapid gel properties.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Part A Properties LOCTITE STYCAST EA 0626

Density @ 25°C, gm/cc	1.71
Viscosity @ 25 °C, cP:	
Spindle 5, speed 20 rpm	15,000
Solids Content, %	100
Filler Content, %	56.5

Part B Properties LOCTITE STYCAST EB 0626

Density @ 25°C, gm/cc	0.96
Viscosity @ 25 °C, cP:	
Spindle 2, speed 20 rpm	400
Solids Content, %	100
Filler Content, %	0

Mixed Properties

Pot Life @ 25°C, 200 gm mass, minutes	60
Gel Time @ 85°C, minutes	13
Viscosity @ 25 °C, cps:	
Spindle 4, speed 20 rpm	2,650

TYPICAL CURING PERFORMANCE

Recommended Curing Conditions

- 2 hours @ 60 °C (Recommended cure)
- 1 hour @ 85°C (Alternate cure)

TYPICAL PROPERTIES OF CURED MATERIAL

Physical Properties :

Shore Hardness , Durometer D	74
Glass Transition Temperature, °C	40
Coefficient of Thermal Expansion, ppm/°C:	
Alpha 1	92
Alpha 2	155
Elongation, %	27
Tensile Strength, psi	1,091
Linear Shrinkage, %	1.3
Thermal Conductivity, cal/cm x sec °C	9.27×10 ⁻⁴

Electrical Properties:

Dielectric Strength, 10 mil thickness, volts/mil	1,430
Dielectric Constant / Dissipation Factor @ 25°C:	
1kHz	5.6 / 0.048
Volume Resistivity, ohms-cm	1.2×10 ¹⁶
Surface Resistivity, ohms	1.0×10 ¹⁴

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.

Liquid Storage - Liquids should be stored at 20 to 30°C in closed containers. If stored below 23°C, the material MUST be allowed to come to room temperature, in the sealed container, to avoid moisture contamination.

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

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

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