Technical Data Sheet

LOCTITE HYSOL KL-G 800H CD

April 2016

PRODUCT DESCRIPTION

LOCTITE HYSOL KL-G 800H CD provides the following product characteristics:

Technology	Epoxy
Appearance	Black
Cure	Heat cure
Product Benefits	• Green product • High adhesion • Low stress • Low viscosity • Low wire sweep molding • Large operating window
Filler Weight, %	84
Filler Type	Fused Silica and Spherical Silica
Typical Package Application	SOT and SMX
Application	Molding compound
Flammability Rating	UL 94 V0

LOCTITE HYSOL KL-G 800H CD epoxy molding compound is suitable for thin leaded package. This material is designed to achieve JEDEC Level 2 requirements, at 260°C reflow temperature.

LOCTITE HYSOL KL-G 800H CD meets UL 94 V-0 Flammability at 3.175mm thickness without any flame retardant.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Gel Time @ 175 °C, seconds	25
Spiral Flow, @ 175°C, cm	73
Specific Gravity	1.97
Shelf Life @ 5°C, days	183

TYPICAL PROCESS DATA

Handling

Preheat Temperature:	
Conventional mold, °C	80 to 100
Automold, seconds	0 to 5
Molding Temperature, °C	150 to 195
Molding Pressure, Kg/cm²	40 to 100
Transfer Time:	
Conventional mold, seconds	10 to 18

LOCTITE HYSOL KL-G 800H CD has been formulated to provide the best possible moldability and as wide a molding latitude as possible. Although molding and curing conditions will vary from situation to situation, recommended starting ranges are shown above.

TYPICAL PROPERTIES OF CURED MATERIAL

All measurements taken at 25 °C, unless otherwise noted. All physical, electrical and analytical measurements taken on specimens cured for 2 minutes @ 175 °C with post cure of 6 hours at 175 °C, unless otherwise specified.

Physical Properties

Coefficient of Linear Thermal Expansion :	
Below Tg, ppm/°C	6.8
Above Tg, ppm/°C	34.7
Glass Transition Temperature, °C	122
Molded shrinkage, as molded, %	0.23

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: 5°C. Storage below -20°C or greater than 30°C can adversely affect product properties.

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

Disclaimer

Note:

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