



HYSOL®OT0149-1

December 2002

PRODUCT DESCRIPTION

Hysol® OT0149-1 is an L.E.D. glob-top system using specially formulated resins with which can exhibit the excellent light transmission rate at the visible light ranges. Using the special dye-staff blended into the system, it can block off the wave length up to 750NM, 800NM and 850NM respectively. Excellent soldering resistance at 245°C/5 sec. X 3 times. Good adhesion against any kind of substrates.

TYPICAL APPLICATIONS

L.E.D. COB Resin System

PROPERTIES OF UNCURED MATERIAL

Color	White
Shelf Life @ 5°C	6 months
@ 0°C	10 months
Typical Value	
Viscosity @ 25°C, (77°F), cPS	45,000,70,000

PHYSICAL PROPERTIES, CURED MATERIAL

Color	White
Glass Transition, Tg, °C, TMA	150
Coefficient of Thermal Expansion, ppm/°C	
Alpha 1, TMA	55
(150-200°C)	160 x 10 ⁻⁶
Thixotropic Index at 25°C	1.0-1.2

Handling

(Recommended mix ratio and typical mixed properties)

Pot Life @ 25°C,	
(No viscosity change)	3 weeks
Gel Time @ 121°C, (250°F), minutes	7-14

GENERAL INFORMATION

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

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or their strong oxidizing materials

Cure Schedule

(Recommended for Optimum properties)

Precure @ 80-90°C	1 hour
Post cure @ 110-120°C	2-3 hours

Cure conditions can be adjusted in accordance with the glob top volume on the surface.

Note

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