

LEN 66B Low Temperature Cure Adhesives Product Datasheet

Low Thermal Stress
High Throughput and Process Yield
High Reliability

Description

LEN 66B is one-part 100% solid, low temperature curable black adhesives, which has been designed for hose bonding application. It can also be used for camera modules, LCD sealing, polarizer lamination and touch screen bonding and so on. After cure, LEN 66B can provide bubble free optical coverage and has good moisture resistance, excellent weather ability. All data of thermal cycle and surface insulation resistance have indicated LEN 66B meets MIL-I-46058C and IPC-CC-830 standards. LEN 66B is also in full compliance with the RoHS Directive.

Typical Physical Properties

Product Name	LEN 66B Bonding Adhesives
PROPERTIES OF UNCURED MATERIAL	
Appearance	Black
Solvent (%)	0
Specific Gravity (ASTM D 1475-60)	1.05 g/cc
Viscosity (ASTM D-1384)	20 – 30 kcp
PROPERTIES OF CURED MATERIAL	
C.T. E (ASTM E 831), PPM /°C	$\alpha_1 = 70$

Glass Transition Temperature (T _g) (ASTM D3418-82)	65 °C
Durometer Hardness (ASTM D-224)	D85
Surface Insulation Resistance (IPC-J-STD-004)	Pass
Humidity Resistance (85C/95RH, 120 days) (IPC-CC-830)	Pass
Flexibility (MIL-L-46058C)	Excellent
Adhesion (ASTM D2197)	Excellent
Moisture Absorption (ASTM D-570)	< 0.5%
Extractable ions (MIL-STD-883E)	
Na ⁺	<5ppm
K ⁺	<5ppm
F ⁻	<5ppm
Cl ⁻	<10ppm
Thermal Performance	
Thermal Shock (-65/+125 °C) (IPC-CC-830)	100 cycles, Class 3

Recommended Curing Conditions

60 – 90 min at 70 – 75 °C

Storage & Shelf Life

6 months provided materials are kept in a sealed original container at room temperature. Storage beyond this period can produce higher viscosity. Protect from UV light, moisture, evaporation and foreign materials. Process ability of these products can be adversely affected by evaporation and contamination. .

Safety

LEN 66B is a friendly, non-toxic material. However, general hygiene practice is recommended when handling this material. For detailed information, please consult the product SDS.

Package

LEN 66B optical bonding adhesive is available in 55cc and 12oz. Other packages are available depending upon customer's request. Contact YINCAE for order information.