香港九龍灣常悅道 20 號環球工商大廈 10 樓 9 室 Room 9, 10/F. International Plaza, 20 Sheung Yuet Road, Kowloon Bay, H.K. Tel: 852-2751 8880 Fax: 852-2795 1625 Web Site: <a href="www.uea.com.hk">www.uea.com.hk</a> E-mail: <a href="mailto:info@uea.com.hk">info@uea.com.hk</a>

# **TECHNICAL DATA SHEET**

# **Epoxy 5224**

## General Description

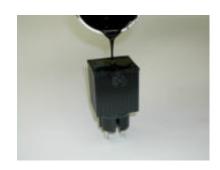
Two-component low viscosity liquid epoxy has good chemical-resistant, superior electric-insulation characteristics, thermal stability, and good flow.

### Important Use

End filling capacitors; encapsulating coil; transformers; and electronic part.

## Advantage

- Low viscosity, good flow.
- Room temperature cure, or very fast heat cure.
- Shelf life over one year for separate component.
- Low stress on encapsulated part.
- Low exothermic systems are available.



#### Technical Data:

Color : Red or Black

Curing time  $25^{\circ}C-100$  gm. : 1 hr.

Working life  $25^{\circ}C-100$  gm.. : 30 mins.

Specific Gravity  $(g/cm^3)$  : Part A : 1.25

Part B : 1.00

Viscosity (25°C) : Part A : 800 cps

Part B : 5000 cps Mixture : 2500 cps

Mixing Ratio A : B = 2 : 1 by wt. Or

A : B = 1.6 : 1 by vol

#### Physical Properties :

Bond strength (Mild steel to mild steel) :  $185 \text{ Kgf/cm}^2$ Flexural strength :  $700 \text{ Kgf/cm}^2$ 

### Electrical properties :

Break down voltage : 9 KV/mm

Volume resistant (25°C) :  $1 \times 10^6$  OHM-cm

### Chemical resistance :

Excellent against distilled water, dilute mineral acids, alkali, salt water, detergents etc.

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<sup>\*\*</sup> All the information is provided on the basic in good faith, and is believed to be trustworthy but is for reference only. Adhesion is very complicated and the result of it is much dependent on the surface material, additives, releasing agents of the substrates and user's methods. UEA and its agents, dealers, distributors, directors and employees cannot accept any liability for the results whatsoever arising from the use of UEA's products due that the utilization of these products is simply out of UEA's control. The users are responsible for selecting the suitability of the products and methods of use.