

HumiSeal 2E42T-B is a room temperature curing two-part epoxy system designed to be used to encapsulate electronic packages. This product has been formulated to provide the user with an easy to work with one to one by volume mix ratio. Once encapsulated with the epoxy, an electronic package will exhibit a higher resistance to both physical shock as well as exposure to water and other potentially harmful chemicals.

Properties of HumiSeal® 2E42T-B

Typical Properties of Uncured Material

| Property | Value |
|---|-----------------------|
| Chemical Class | Epoxy : Amine |
| Color, Parts A : B | Black : Tan |
| Specific Gravity A : B | 2.20-2.35 : 1.55-1.65 |
| Viscosity, Part A @ 25°C, Spn7 @ 20RPM, cps | 23,000 to 50,000 |
| Viscosity, Part B @ 25°C, Spn6 @ 20RPM, cps | 20,000 – 42,000 |
| Mix Ratio, PBV | 1:1 |
| Filler Base | Tabular Alumina |

Typical Properties of Cured Material

| | |
|---|------------|
| Hardness, Shore D | 55 to 65 |
| Thermal Conductivity, BTU in/hr-ft ² , F | 5.5 |
| Thermal Conductivity, W/Meter, K | 0.8 |
| Glass Transition Temperature (T _g), C | 31.45 |
| Operating Temperature, °C | -50 to 155 |

Cure Overview

| | |
|--------------------------|----------|
| Gel Time @ RT, min, 100g | 198 |
| Cure Time @ RT, hrs | 24 to 48 |
| Cure Time @ 65°C, min | 120 |

Application of HumiSeal® 2E42T-B Epoxy

HumiSeal® 2E42T-B typical application is for electronic encapsulation.

Cleanliness of the substrate is extremely important to the successful application of UV acrylate adhesives



Storage

Store material in cool, dry location at a temperature between 10°C to 28°C. Keep from freezing. Refer to packaging specific quote for shelf life information. Consult SDS for safe handling recommendations.

Caution

Application of HumiSeal® product should be carried out in accordance with local and National Health and Safety regulations.
Consult SDS/MSDS for safe handling recommendations prior to use.

Contact HumiSeal®

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