ADHETRON®
Masterpiece of Adhesives

TECHNICAL
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# EP2614 LOW VISCOSITY EPOXY ADHESIVE

## ● PRODUCT DESCRIPTION

EP2614 is a low viscosity, fast curing, electrically insulating epoxy adhesive. Capilary flow low viscosity underfill which withstands several cycles of 260°C. EP2614 is available as 1 or 2 component. Suitable for metal, plastics, ceramics and ferrite bonding applications.

## ● CURING PROPERTIES

| **100°C** | **125°C** | **150°C** | **180°C** |
|---|---|---|---|
| 50-60 min | 30 min | 5 min | < 1 min |
| Pot Life @ 25° C: 3 days | | | |

## ● PHYSICAL PROPERTIES

| | |
|---|---|
| **Color** | Amber |
| **Viscosity (mixed)** | 400 Cps |
| **Specific Gravity** | 1,13 |
| **Mix ratio (by weight)** | 100:8 |

## ● INSTRUCTIONS FOR USE

| | |
|---|---|
| **Temperature Resistance (°C)** | -40 to 260 |
| **Hardness Shore D** | 80 |
| **Lap Shear Strength (Psi)** | 2250 |
| **Chlorine Content (µg/g)** | 6 |
| **Sodium Content (µg/g)** | 3 |
| **Potassium Content (µg/g)** | < 1 |
| **Tg (°C)** | 125 |
| **Volume Resistivity**<br>• 100 V (Ω-cm)<br>• 500 V (Ω-cm) | <br>$6.2 \times 10^{15}$<br>$4.6 \times 10^{15}$ |
| **Dielectric Constant**<br>• 120 Hz<br>• 1000 Hz | <br>3.5<br>3.4 |
| **Dissipation Factor**<br>• 120 Hz<br>• 1000 Hz | <br>0.007<br>0.008 |
| **Dielectric Strength** | V/mil: 436<br>V/mm: 17 |

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### ● INSTRUCTIONS FOR USE

The surfaces should be free of dust, oil and other dirt in order to optain an optimal efficient bond.

Shelf life: Store in original, unopened containers for 12 months at room temperature
The resin of part B might cristalize during storage. This process is reversible by heating
(1 hour @ 60°C).