

# EPICLON<sup>®</sup> EXA-4850-1000

Liquid high-performance epoxy resin

---

## Advantages

1. Flexible skeleton introduced by unique bond (Molecular structure)
2. Liquid resin with easy operation (Resin characteristics)
3. Extremely excellent flexibility & toughness (Cured resin performance)
4. Outstanding high adhesive (Cured resin performance)
5. Greatly small curing shrinkage (Cured resin performance)

## Applications

### Semiconductor

- Liquid encapsulant (Under-fill, Glob top)
- Conductive paste (Die-attach paste, Anisotropic Conductive)
- Semiconductor package materials (Build-up, Adhesive)

### Circuit Board

- Laminates (FR-4/FR-5/CEM)
- Flexible circuit board (Adhesive to copper foil and cover lay)
- Build up (Dry film, Adhesive copper foil)
- Solder mask (Liquid type, Dry film)

### Others

- Composite materials (Glass or carbon fiber reinforced composite)
- Adhesive (Industrial materials, Civil construction, Electronics materials)
- Coating (Industrial coating, Civil construction)

## Typical properties\*

|                                 |                           |
|---------------------------------|---------------------------|
| Appearance                      | Yellowish<br>Clear Liquid |
| Alien substances                | None                      |
| Epoxy equivalent, g/eq          | 340                       |
| Viscosity, mPa.s                | 90,000                    |
| Hydrolyzable Cl content, wt ppm | 40                        |

\* Typical properties; not to be construed as specifications.

## Storage

EPICLON<sup>®</sup> EXA-4850-1000 has a shelf-life of at least 6 month if it is stored in a cool, dry area.