

## Epoxy light diffusant

- Low effect on brightness
- Soft and consistent luminosity
- Excellent solubility

**CHEMLINQ™ ODF-10** is a light diffusing agent commonly used in LED applications. The main function of a diffusing agent is to evenly diffuse the light emitted by the LED chip in the resin. This makes products using this material to emit a soft and consistent luminosity.

**CHEMLINQ™ ODF-10** is a low viscosity (<20,000 cP) milky white liquid that has a small effect on the LED's brightness. It is suitable for the production of various luminous products such as LED Lamps and LED Displays. **ODF-10** has excellent solubility with epoxy based encapsulants.

## Premixed properties\*

| Property                            | ODF-10             | ODF-10 Type S      |
|-------------------------------------|--------------------|--------------------|
| Appearance                          | Milky white liquid | Milky white liquid |
| Mixed Viscosity at 25°C**           | 13000±3500 cP      | 15000±3800 cP      |
| Dosage Ratio by Weight for Lamps    | 3–5                |                    |
| Dosage Ratio by Weight for Displays | 4–8                |                    |
| Shelf Life                          | 183 days           | 183 days           |

## Processing Instructions

1. Stir and preheat the agent at 70~80°C
2. Directly add the diffusing agent to A/B resin that will be used and stir uniformly.
3. Defoam the mixture for 5 minutes and use the mixture within pot life of the resin used.
4. Curing conditions of the the resin used should be followed.

## Precautions

1. Do not preheat for a long time to avoid sedimentation and difficulty in stirring.
2. A small amount of resin will float out after long-term storage of this product. This is a normal phenomenon. Please stir well before use.

## Storage and Handling

Store in a ventilated, dry, and clean environment below 25°C and 70% humidity. Keep away from fire and heat sources. It is strictly forbidden to store in outdoor environments. At proper storage conditions, product has a shelf life of 6 months.

*\*Please note that the provided information is based on available data and typical conditions. For specific applications and detailed test results, refer to the actual test data and conduct appropriate tests.*

*\*\* Brookfield DV-Next Prime Viscometer*

## Europe

Industrieweg 15E,  
1566JN Assendelft  
The Netherlands  
Phone: +31 (20) 893 2224  
Email: info@caplinq.com

## Canada

80 Sirocco Crescent  
Ottawa ON, K2S 2C9  
Canada  
Phone: +1 (613) 482-2215  
Email: info@caplinq.com



## North America

36927 Schoolcraft Rd  
Livonia, MI 48150  
United states  
Phone: +1 (313) 558-8243  
Email: info@caplinq.com

## South East Asia

S-08-07 Persiaran Triangle  
B Lepas, Penang 11900  
Malaysia  
Phone: +60(12)4302223  
Email: info@caplinq.com