

CHEMLINQ TC-9000T



Clear Optical molding compound

- Transparent filler technology
- Anti blue decay
- Low CTE and Low moisture absorption

TC-9000T is a high-performance optical solid epoxy specifically developed for white decorative and backlight LED encapsulation. This monocomponent epoxy achieves superior adhesion performance and great transmittance. Its stability at high temperature aids towards a good package performance and long life. More important, TC-9000T applies transparent filler technology to achieve low CTE and low moisture absorption.

TC-9000T is developed based on TC-8060 formula, which is able to offer low blue-ray decay for outdoor LED applications and overall great light performance. This anti yellowing white epoxy is very close to competitive solutions such as XX814, XX1000 and XX97.

Specifications

Property	Value	Unit
Specific Gravity	1.5 - 2	-
Spiral flow	100 - 250	cm
Gel Time	20 - 60	sec
Hardness	88	Shore D
Glass Transition temperature	150	°C
CTE alpha 1	45	ppm/°C
CTE alpha 2	100	ppm/°C
Flexural Strength	80	N/mm2
Flexural Modulus	9000	N/mm2
Transmittance	>10	%
Property	Value	Unit
Preheat Temperature	40 - 80	°C
Mold Temperature	140 - 160	°C
Transfer pressure	10 - 40	kgf/cm2
Transfer Time	20 - 50	Sec
Curing Time	3 - 5	Min
Post Mold Curing	4 - 6	Hours

Storage and Handling

Store in a ventilated, dry, and clean environment below 5°C.

The product must be thawed at Room temperature for 16-24 hours and used within 24 hours after thawing. Under proper storage conditions, the compound has a shelf life of at least 6 months.

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
+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