

# OPTOLINQ™ GT-W170-2



## White reflective compound

- Oxidation resistance
- 92% Reflectance at 940nm
- 93% Reflectance at 800nm

**OPTOLINQ GT-W170-2** is a white reflective compound used in optocoupler applications. It exhibits excellent reflectance and transmittance at 800 and 940nm and displays high whiteness and oxidation resistance. This formulation contains ~70-75% crushed silica and performs great against shrinkage and stress.

Recommended Curing Schedule: 150 - 200sec + 2 - 6 hours @150°C

### Formulation

Property	Value
Epoxy	Multifunctional + BPA
Hardener	Anhydride
Filler Type	Crushed
Filler content	70 - 75%

### Molding Parameters

Molding Condition	Value	Unit
Preheat Temperature	70 - 90	°C
Mold Temperature	170 - 180	°C
Transfer pressure	30 - 60	kgf/cm2
Transfer time	20 - 50	sec

### Cured properties

Property	Value	Unit	Condition
Specific Gravity	1.85	-	-
Spiral flow	30 - 60	Inch	@175°C
Gel Time	20 - 40	Sec	@175°C
Glass transition temperature	150	°C	-
CTE α1	19 - 22	ppm/°C	-
CTE α2	40 - 70	ppm/°C	-
Flexural Strength @ 25°C	130	MPa	@ 25°C
Flexural Modulus @ 25°C	16	GPa	@ 25°C
Light Reflectance	>90	%	@800nm
Light Transmittance	<0.1	%	@800nm
pH	4	-	-
CTI	200	V	-
Dielectric Strength	12	kV/mm	@ 25°C

### Storage and Handling

Store in a ventilated, dry, and clean environment below 5°C. Keep away from fire and heat sources. It is strictly forbidden to store in outdoor environments. At proper storage conditions, the product has a shelf life of 6 months.

#### Europe

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

#### Canada

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



#### United States

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

#### Malaysia

9, Solok Nuri 2  
119900, St Pulau Mutiara  
Malaysia  
+60 (12) 430 2223  
info@caplinq.com