



TECHNICAL INFORMATION

技術資料

Tech. No. E-768 / H-768

Fong Yong Chemical Co., Ltd.

E-768 / H-768

E-768/H-768 is a two-component, solventless liquid epoxy resin. After cured, it forms a high glossy flexible mass. It exhibits several outstanding properties as follows :

1. No toxic, no volatile content.
2. Low viscosity and long pot life for easy operation.
3. Excellent flexibility and adhesion properties.
During curing process, low internal stress will not break delicate electrical and electronic components.
4. Good mechanical properties, such as elongation, compression, banding and impact strength.
5. Good electronic properties.
6. High glossy.
7. Flexible cure schedule; it can be room temperature cure or elevated temperature cure.

Characteristics :

	E-768	H-768
Appearance	All color liquid	Clear to yellowish liquid
Viscosity (25°C, CPS)	2,000-10,000	30 - 100
Mix Ratio	100	60
Pot Life (25°C, 60g)	60 min	
Hardness (Shore A)	45	
Gel Time*	RT : 24~36hrs, or 80°C x2hrs	
Cure Condition*	RT : 7 Days, or 80°C x2hrs + 120°C x2hrs	
Tensile Strength(psi)	150	
Elongation (%)	200	
Dielectric Strength(V/mil)	430	
Volume Resistivity(Ω·cm)	1.2×10^{11}	
Water absorption(% 100°C 1hr)	0.73	

* Pot life and cure condition depend on the temperature of environment, and amount and thickness of use.

Preparation :

1. Use proper container and mixing rod.
2. Carefully weight out the desired amount of E-part and H-part based on the mixing ratio 100 to 60 (by weight).
3. Mix thoroughly, especially the mixture at the edge of container should be scraped and mixed uniformly.
4. Vacuum to de-air.
5. Apply mixutre within the pot life period.

Cautions :

1. Adequate ventilation is recommended during application and curing.
2. Avoid contacting eyes. In case of eye contact, immediately flash eyes with large quantity of water for least 15 minutes, and get medical attention.
3. In case of skin contact, wipe off with clean and dry cloth or paper, and wash with soap and water.
4. Do not swallow nor contact foods.
5. Keep away from children.
6. This product is for industrial uses only.

Storage :

1. Store at 25°C or lower and dry place. The shelf life is 6 months in unopened original container.
2. Avoid from sunlight, high temperature and high humidity environment.
3. Use up as soon as possible when opened. If customer does not use all up in once, please seal tightly to preserve left over.
4. Do not contaminate resin and hardener with each other to prevent from curing during storage.

The above data offered are based on our laboratory works for customers' references only. The conditions of use, such as mix ratio, well mixed, cure condition (i.e., environment, temperature, humidity, and size), and treatment of target surface, can affect the final results. Therefore, it is imperative to test this product to determine the suitability of the product for its intended uses and applications. Fong Yong Chemical Co., Ltd. assumes no obligation or liability for use and makes no warranty, expressed or implied. Customers are solely responsible for their uses and applications. Welcome to consult our sales representatives for further technical assistance. 20151210

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