



TECHNICAL INFORMATION

技 術 資 料

Tech. No. E532/H532

Fong Yong Chemical Co., Ltd.

E532 / H532

E532/H532 is a flame resistant RT and heat cure epoxy resin. It is designed for massive potting, particularly for the requirements of UL94 fire resistance and good dielectric properties.

Features:

1. Excellent flame resistant, UL94V0 approval (E120665).
2. Excellent dielectric properties.
3. Low shrinkage, excellent adhesion properties to most materials.
4. Flexible cure schedule. It can be cured at room temperature or heat cure.
5. Good thermal conductivity.
6. Excellent chemical resistance and waterproof.

Typical Properties :

	E532	H532
Appearance	All Color	Clear Liquid
Viscosity(25°C, cps)	4,000~10,000	12~100
Mix Ratio(wt/wt)	100 : 15	
Pot Life (60g, 25°C)*	60 mins	
Gel Time	RT : 10~24 hours	
Cure Time*	RT : 7 days or Heat : 50°C × 1hrs + 100°C × 2hrs	
Hardness, Shore D	80	
Tensile Strength (psi)	5,400	
Elongation (%)	5	
Dielectric Constant	4.8	
Dielectric Strength (KV/mm)	27	
Volume Resistivity (Ω·cm)	2.86×10^{15}	
Water Absorption (25°C, 7days, %)	0.15	
Thermal conductivity (W/mK)	0.5~0.7	
Use Temperature Range	-30°C ~ 125°C	
UL approval level	94 V0	
Shelf Life	12 months	

*Pot life and cure condition depend on the quantity and thickness.

How to use:

1. Prepare cleaned container and mix rod or blade.
2. Mix E532 thoroughly prior to use.
3. Accurately weigh E532 and H532 in a 100 to 15 ratio into the container.
4. Thoroughly mix the mixture, scrape mixture on the edge against the container wall to ensure good mixing.
5. Ensuring quality, vacuum to de-air prior to use is recommended.
6. Gently pour into target, avoid trapping air in mixture while pouring.
7. Cure in accordance of the cure condition.

Caution:

1. Avoid contamination of each other E532 and H532.
2. Adequate ventilation or respiratory protection is highly recommended during application and curing.
3. Avoid eye contact. In case of contact, flush with plenty of water least 15 minutes, and get medical attention.
4. If contact skin, wrap with clean cloth or paper and wash with soap and water.
5. Do not take orally, do not contact foods.
6. Keep away from children.
7. This product is for industrial uses only.

Storage and Shelf Life:

1. Store at 25°C or lower and dry place. Avoid from sunlight, high temperature and high humidity environment.
2. Use up as soon as possible when opened. If customer does not use all up in once, please seal tightly to preserve left over.

The above data offered are based on our laboratory works for customers' references only. The conditions of use (such as environment, temperature, and size) can absolutely affect the final results. Therefore, it is imperative to test this product in small amount 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. 20210914

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