

GREENSTAR



EPOXY RESIN

SE-770 Y / MH-770 D

Potting EPOXY RESIN for Condenser,
HIC & High Voltage Parts

GREENSTAR CO.,LTD

Pyongteak-Industrial Complex 539-3, Segyo-Dong,

Pyong Teak City, Kyung Gi Do, 450-100, Korea

TEL:(031) 657-2323, FAX:(031) 657-2327

www.smecom.co.kr

SE-770 Y / MH-770 D SPECIFICATION

No : 20014 / 21411A

1. DETERMINATION OF APPLICATION

This format is applied for the only EPOXY RESIN and HARDENER SE-770 Y / MH-770 D products for capacitors, etc which our company supplies.

2. NAME OF PRODUCTS

PRODUCTS	NAME OF PRODUCTS	MIXING RATIO (wt.%)
EPOXY RESIN	SE - 770 Y	100
HARDENER	MH - 770 D	40

3. COMPONENTS

PRODUCTS	COMPONENTS
SE - 770 Y	Liquid EPOXY RESIN
MH - 770 D	Liquid Anhydride acid and Accelerators

4. PROPERTIES

4-1. GENERAL PROPERTIES

No.	TEST OF ITEM	CONDITIONS	SE - 770 Y	MH - 770 D	REMARKS
1	Apperance		Liquid	Liquid	
2	Color		Yellow	Light-yellow	
3	Viscosity	25℃, cps	10,000±3,000	70±30	
4	sp.gr	25℃	1.52 ± 0.05	1.20 ± 0.02	

4-2. PROPERTIES OF MIXTURE

No.	TEST OF ITEM	CONDITIONS	SE-770 Y / MH-770 D	REMARKS
1	Mixing ratio		100 / 40	
2	sp.gr	25℃	1.41 ± 0.05	
3	Viscosity	25℃, cps	800 ± 200	
4	Pot Life	25℃	12 hrs	

4-3. PROPERTIES OF CURED EPOXY RESIN

No.	TEST OF ITEM	CONDITION	UNIT	TEST DATA	TEST METHOD
1	Hardness		Shore-D	> 75	ASTM D-785
2	Water Absorption	24hrs	%	< 0.1	JIS K-6911
3	Volume Resistivity	25℃	Ω.Cm	> 10 ¹⁴	ASTM D-257
4	Dielectric Constant	25℃	1 kHz	4.0	ASTM D-150
5	Dissipation Factor	25℃	1 kHz	0.01	JIS K-6911
6	Dielectric Strength	25℃	kv/mm	> 20	JIS K-6911
7	Flame retardant resistance	1.57 mm	E108437	V0	UL 94

5. CURE SCHEDULE

85°C x 4 hrs

6. TEST CONDITION

- 1) TEMPERATURE : $23 \pm 2^{\circ}\text{C}$
- 2) HUMIDITY : $70 \pm 5\% \text{R.H}$

7. INSCRIPTION ON THE LABEL

- 1) PRODUCT NAME
- 2) LOT No.
- 3) DATE OF MANUFACTURE
- 4) WEIGHT

8. PACKAGE

- 1) SE-770 Y : 20 kg / CAN
- 2) MH-770 D : 20 kg / CAN

9. STORAGE

ITEM	SE - 770 Y	MH - 770 D
TEMPERATURE	R.T (25°C)	
HUMIDITY	under 70% R.H	
STORAGE	3 month	3 month