Molding

SM-160F

1. Product use

1) Epoxy resins for flame-retardant molding such as metals and plastics
2) All sorts of electric and electronic parts molding including noise filters, ignitions,
sensors, and condensers

2.Features

1) Excellent flame-retardant effect
2) Superior adhesive strength with general metal and plastic materials
3) Outstanding electrical characteristics including withstanding of voltage, arc-resistivity,
and electrical insulation
4) Elegant surface and superb gloss after hardening with easy permeating into parts due to low viscosity
5) Easy workability with long pot life.

3.Others

1) Storage requirements

a. Store in room temperature (25℃±5℃)

b. Storage box should be sealed.

c . Prohibit exposure to moisture and direct light

d. If using for non-polar type materials such as PS, PE, PP etc, the adhesion might not good and occur separation and humidity permeation. Please contact us before using.

e. Applying material temperature : -20℃~80℃

2) Shelf life

6 month from date of manufacture

3) Curing condition

a. Mixing ratio : Resin : Hardener = 100 : 25 (wt%)

b. 2~2.5 hours in temperature of 60 ~70℃

c. If using large quantity, it might generate the heat and boiling. In this case control down the curing temperature.

d. When curing in high temperature, be careful for deformation.

4. Properties (Temperature:25℃, Humidity:45%)

Item	Unit	Resin	Hardener
Color	–	Black	Brown
Viscosity	Cps / 25℃	1,000~3,000	10~40
Specific gravity	–	1.20~1.25	0.95~1.00
Tensile Strength	N/mm^2	20	
Impact strength	Kg.cm/cm^2	2.0	
Bond strength	N/mm^2	8	
Hardness	Shore D	72 ~ 76	
Tg	℃	70	
Low Temperature resistance	℃	-20	