

Two component Silicone encapsulate material

## KE-1051J-A/B

### Features

- Two components
- Heat cure type or Room temperature cure
- Colorless transparent
- Good vibration dampening and shock absorbing properties
- Good adhesion for plastics and metals
- Non corrosive property to general metals
- Flexible silicone rubber - from -40 to +180C
- Excellent electrical properties

### Applications

Encapsulation for electronic equipment and modules

### Typical Properties

Item	Unit	KE-1051J-A	KE-1051J-B
Cure type		Addition	
Color		Transparent	Transparent
Viscosity	mPa·s	900	700
Blend ratio	Wt%	100	100
Workable time	Hrs.	2	
Curing Condition		24hrs./23C or 30min./80C	
Density 23°C	g/cm <sup>3</sup>	0.97	
Hardness	Penetration	65	
Elongation at break	%	-	
Tensile strength	MPa	-	
Volume resistivity	TΩ·m	10	
Dielectric strength	kV/mm	-	
Dielectric constant 50Hz		2.9	
Dissipation factor 50Hz		0.0006	

Not specified value

**Packing:** 1kg can, 16kg-can **Curing Condition:** 24hrs./23C or 30min./80C

### How to use

- Measure KE-1051J-A/KE-1051J-B. The mix ratio is KE-1051J-A/KE-1051J-B = 100 : 100 by weight.
- Stir thoroughly.
- De-air thoroughly.
- Pour into area immediately.
- KE-1051J-A/KE-1051J-B can be cured using the following recommended schedule 4hrs./23C or 30min./80C

### Storage precaution

Stored in tightly sealed original container between 1~25C out of direct sunlight.

## Handling precautions

When KE-1051J-A/KE-1051J-B contact with inhibitors (ex. sulfur, phosphorus, nitrogen compounds, water, organometallic salts, and so on), it may shows a defective cure.

KE-1051J-A/KE-1051J-B should not be used in high humid condition, as this may causes defective curing and poor adhesion.

Completely remove water, oil, dirt and contaminants from the surface of the adherend.

For certain substrates, use a primer as needed.

## Safety and hygiene

Uncured KE-1051J-A/KE-1051J-B may irritate skin and mucous membranes, so avoid eye contact and prolonged skin contact. In case of accidental eye contact, flush with water for at least 15 minutes and see a physician. In case of skin contact, immediately wipe off with a dry cloth and wash with soapy water. Contact lens wearers should exercise adequate caution; if uncured KE-1051J-A/KE-1051J-B enters the eyes, the contact lens may become bonded to the eye.

When using, be careful not to rub the eyes with the hands. Please take appropriate precautions such as wearing safety glasses.

Make sure that work area is well ventilated. Be careful not to inhale vapors from the products used.

Keep out of reach of children.

For more information, please read the Material Safety Data Sheet (MSDS). You can receive an MSDS from our Sales Department.

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