

Flame retardant two component Silicone encapsulate material

KET-132-A/B

Features

- Two components
- Heat cure or Room temperature cure
- Low viscosity
- Flame retardant (UL approved File NO.E174951)
- Non corrosive property to general metals
- Good thermally conductivity
- Flexible silicone rubber - from -40 to +180C
- Excellent electrical properties

Applications

Encapsulation for electronic equipment and modules

Typical Properties

Item	Unit	KET-132-A	KET-132-B
Cure type		Addition	
Color		White	Black
Viscosity	Pa·s	1.4	1.5
Blend ratio	Wt%	100	100
Workable time at 25C	Hrs.	3	
Curing Condition		150sec./150C	
Density 23°C	g/cm ³	1.6	
Hardness	Type-A	60	
Elongation at break	%	100	
Tensile strength	MPa	4.2	
Volume resistivity	TΩ·m	1.3	
Dielectric strength	kV/mm	26	
Thermal conductivity	W/m·k	0.6	
Flammability	UL94	V-0	

Not specified value

Packing: 20kg can, 200kg-drum **Curing Condition:** 150sec./150C

How to use

The filler of KET-132-A/KET-132-B may have settled to the bottom of the container, so be sure to stir thoroughly prior to use.

Measure KET-132-A/KET-132-B. The mix ratio is KET-132-A/KET-132-B = 100 : 100 by weight.

Stir until color is uniform.

De-air thoroughly.

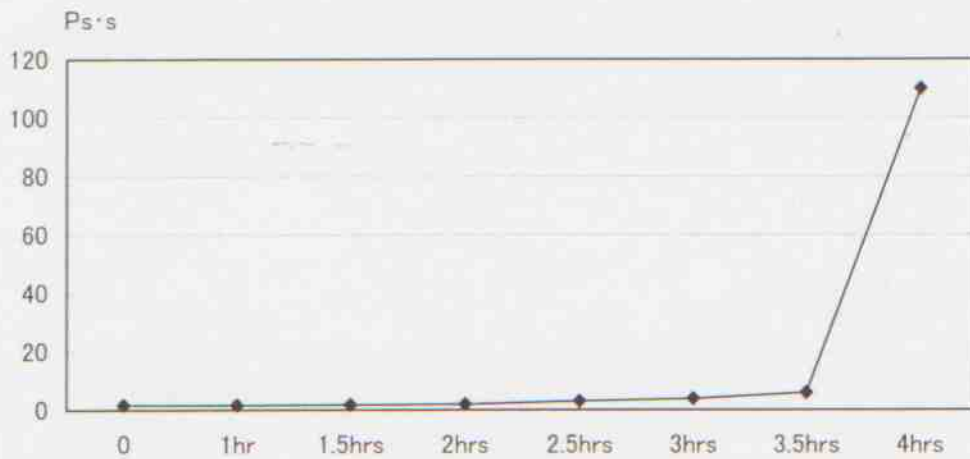
Pour into area immediately.

KET-132-A/KET-132-B can be cured using the following recommended schedule 150sec./150C.

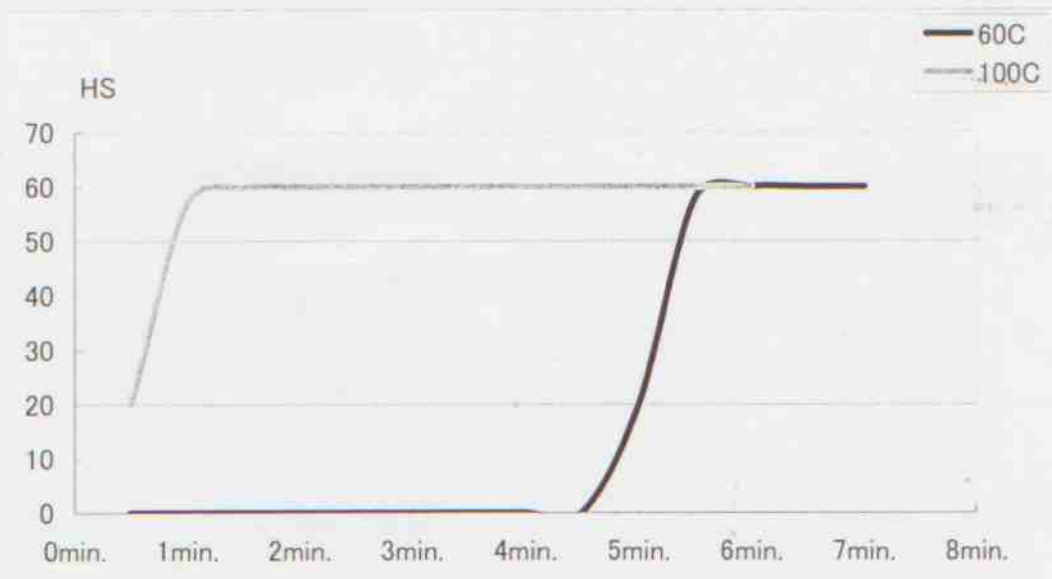
Storage precaution

Stored between 1~25°C, out of direct sunlight.

Viscosity at 25C after mixing KET-132-A and KET-132-B



Curing



Typical Properties after heat resistance

Item	Unit	150C × 1,000hrs.
Hardness	Type-A	67
Elongation at break	%	70
Tensile strength	MPa	4.4
Volume resistivity	$\text{T}\Omega\cdot\text{m}$	7.2
Dielectric strength	kV/mm	23
Thermal conductivity	$\text{W/m}\cdot\text{k}$	0.6
Flammability	UL94	V-0 (1mm)

Handling precautions

When KET-132-A/KET-132-B contact with inhibitors (ex: sulfur, phosphorus, nitrogen compounds, water, organometallic salts, and so on), it may shows a defective cure.

KET-132-A/KET-132-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 KET-132-A/KET-132-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 KET-132-A/KET-132-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.

Contact us

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