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# HV 330 A & B

## Thermally Conductive Silicone Encapsulant

### DESCRIPTION

HV330A & B is a thermally conductive silicone based product. The product has many advantages over other types of thermally conductive products. These include: a wide service temperature range of use, good environmental stability and good cured flexibility. These features make HV330 well suited for many applications requiring good thermal conductivity in a flexible product.

### PRODUCT FEATURES

- High Thermal Conductivity
- Flexible Elastomeric Cure
- Wide Temperature Use Range
- Easy to Use 1:1 Mix Ratio
- Long Work Life, With Rapid Heat Cure
- UL94 V-0 Flame Resistance Properties

### TYPICAL CURED PROPERTIES

*Values Approximate*

Appearance	White elastomer
Durometer	85A
Temperature Range of Use	-80°C through 200°C
Thermal Conductivity	4.5 W/ m. K°
Tg	-80°C
CTE	170 PPM
Volume Resistivity	4.2 x 10 <sup>15</sup> ohm-cm
Dielectric Strength	620 volts/mil

### TYPICAL PROPERTIES (VALUES APPROXIMATE)

#### UNCURED PROPERTIES

	HV330A	HV330B	HV330A&B
Color	White	White	White
Viscosity	70,000 cps	70,000cps	70,000cps

#### USAGE

Mix Ratio	Part A	Part B
By Weight	1	1
By Volume	1	1

### CURE SCHEDULE

@ 25°C	Pot Life 2 hours; Cure Time 24 hours
@ 80°C	Cure Time 15 minutes
@ 100°C	Cure Time 10 minutes
@ 120°C	Cure Time 5 minutes

### APPLICATION

Mix the components together avoiding air entrapment as much as possible. This can be done by adding the components to a small clear bag with a zipper type closure, squeezing out the air, sealing the bag and kneading the product together for approximately 1 minute. A small cut in the corner of the bag can then be used to extrude the mixed product. This will produce an air free mixture ready for use.

The product may also be mixed by weighing the components in a suitable size cup, and inserting a mix blade below the surface. Mixed at low to moderate speed air entrapment will be minimized.

The product can also be mixed by weighing the components in a suitable size cup and rolling until well blended.

### STORAGE AND HANDLING

Store at 25°C for up to 12 months

### TO ORDER

In The U.S. Call:	1(800) 523-2575 • (215) 343-6484
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