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Silicone Gel Encapsulant HV331 A&B

DESCRIPTION

HV331A & B is a low viscosity, 2-component silicone. The products' low viscosity and low stress cure make it suitable for encapsulation applications including sensitive optoelectronic assemblies.

PRODUCT FEATURES

- Low Viscosity
- Low Durometer, Stress Free Cure
- Easy to Use 1:1 Mix Ratio
- Long Work Life
- No Volatile Emissions During Curing

TYPICAL UNCURED PROPERTIES

Values Approximate

	HV331A	HV331B	HV331A&B
Color	Clear, Colorless	Clear, Colorless	Clear, Colorless
Viscosity, CPS	350	150	200
Specific Gravity	1.0	1.0	1.0

USAGE

Mix Ratio

	Part A	Part B
By Weight	100	100
By Volume	100	100
Mixed Pot Life	3 hours @ 25°C	

CURE CYCLE

@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

CURE SCHEDULE

@25°C	Cure time 24 hours
@65°C	Cure time 2 hours
@80°C	Cure time 1 hour
@100°C	Cure time 15 minutes

TYPICAL CURED PROPERTIES

Values Approximate

Appearance	Clear, Colorless, Soft Gel
Durometer	20A
Tg	<-80°C

APPLICATION

Mix the components together avoiding air entrapment as much as possible. After mixing let stand to de-air or place the mixed product in a dessicator and apply vacuum until foaming stops. The components may also be weighed into a zipper closure type plastic bag, the bag flattened to eliminate air, closed and kneaded to mix.

STORAGE AND HANDLING

Store at 25°C for up to 12 months

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