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PC440 AB

High Thermal Conductivity, Flexible Epoxy Encapsulant

INTRODUCTION

PC440 AB is a modified epoxy. Unlike most epoxies which are rigid, PC440 AB has the flexibility of a silicone.

The product contains a high performance, non-metallic thermal conductor which provides a high level of thermal conductivity.

PRODUCT FEATURES

- Flexible
- High Thermal Conductivity
- Durable
- Long Work Life
- 1 Part Product, No Mixing Required

TYPICAL PROPERTIES (values approximate)

	PC 440 A&B
Color	Gray
Viscosity, cps	1,000

USAGE

PC440 AB should be thawed at room temperature before use. Typically this will require 60-90 minutes @ 20°C. The pot life of the product is approximately 4 hours @ 20°C.

When thawed the product may be dispensed onto the component to be bonded or encapsulated.

The best properties result from heat curing the product. Curing @ 80°C for 2 hours results in optimal properties. Large parts, and/or large volume ovens may require a longer cure time to provide the needed time at 80°C to cure the product.

TYPICAL CURED PROPERTIES (values approximate)

Appearance	Gray, elastic
Durometer	70 A
Temp. Range of Use	-60°C through 150°C
Tg	- 10 °C
CTE ₁	30 ppm
CTE ₂	200 ppm

STORAGE AND HANDLING

Store at -40°C for 12 months.

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