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**AB-60-4**

Two Part High Voltage Encapsulation Epoxy

**DESCRIPTION**

AB-60-4 is a two part room temperature cured epoxy specially formulated for the insulation and encapsulation of high voltage coil systems. The combination of low viscosity, good thermal shock resistance and rapid cure at elevated temperatures makes AB-60-4 an excellent candidate for these demanding applications.

Data contained herein are believed to be reliable. Fit-for-use testing should be conducted by each user.

**TYPICAL PROPERTIES**

	<u>TEST METHOD</u>	<u>VALUE</u>
Gel Time (100g @ 23C) [min]:		18
Shore D Hardness:	ASTM D2240	75
Tensile Strength (psi):	ASTM D638	4500
Dielectric Strength [at 0.125"] (volts/mil):		550
Maximum Exotherm (100g)[°C]:		135
Glass Transition (°C):		52
Part A:		
Specific Gravity (g/cc):	ASTM D1475	1.10
Viscosity (cps):	ASTM D2393	4000
Color:		Clear
Part B:		
Specific Gravity (g/cc):	ASTM D1475	1.00
Viscosity (cps):	ASTM D2393	2000
Color:		Black
Mixed Product:		
Specific Gravity (g/cc):	ASTM D1475	1.05
Color:		Black
Mix Ratio:		
By Weight:		1:1
Shelf Life (months):		
Part A:		12
Part B:		12

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#### **APPLICATION PROCEDURES**

Carefully weigh out appropriate amounts of resin and hardener into a clean mixing container and thoroughly mix until all streaks and striations are gone. Scrape the sides and bottom frequently to ensure complete mixing.

For 1# and 2# kits, add all of Part B to Part A and mix thoroughly.

*CAUTION:* Unmixed compound from the sides or bottom of the container can cause soft spots or uncured areas in the completed piece. To prevent this, transfer the entire mixed contents to a second clean container and remix for a short time before using.

#### **PRECAUTIONS**

For industrial use only. Keep away from children.

Refer to the Material Safety Data Sheets (MSDS forms) pertaining to this product before using.

Avoid contact with skin or eyes. In the event of an eye splash or contact, immediately flush with cold water for 15 minutes and contact a physician. If skin contact occurs, wash with mild soap and water. The wearing of safety glasses with side shields and impervious gloves is recommended.

#### **RESIN AND HARDENER WARNING STATEMENT**

May cause allergic skin reaction. Avoid all contact with skin, eyes, and clothing. Wash thoroughly after handling.