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T-157-1

Two Part High Voltage Encapsulation Epoxy

DESCRIPTION

T-157-1 is a two part, heat cured epoxy specially formulated for the encapsulation of **"Under Hood"** high voltage coil systems. The combination of low viscosity, good thermal shock resistance and rapid cure at elevated temperatures makes **T-157-1** an excellent candidate for these demanding applications. **T-157-1** should be degassed prior to use and used under vacuum conditions during the actual potting and encapsulation applications. Parts to be potted should be pre-heated when possible. For optimum results, the **T-157-1** should be dispensed at 95° C to 105°C and at a vacuum of 1.0 torr or less. This product may contain fillers that may settle over time. Product may need to be stirred before using. Customer must determine suitability of product before using.
Data contained herein are believed to be reliable. Fit-for-use testing should be conducted by each user.

TYPICAL PROPERTIES	TEST METHOD	VALUE
Gel Time [100 Gram Mass at 75 ° F] (minutes):	ASTM D2471	
Cure Time (hours):		4-6 hour at 95°C +2 Hours at 150°C +Allow to cool to 110°C +1 Hour at 150°C +Slow cool to 25°C
Elongation at Break %:		1.1
Dielectric Constant [1 KHz, 25°C]:	ASTM D150	3.6
Dielectric Breakdown Strength (V/mil):	ASTM D149 (125 Mils)	500
Tg (Degrees C.):		116
Thermal Breakdown (Degrees C.):		384
Shore D Hardness:	ASTM D2240	85
Tensile Strength (psi):	ASTM D638	7300
Mixed Product:		
Viscosity (cps):	ASTM D2393	2500
Mix Ratio:		
By Weight:		100:36
UL 1446 Temperature Rating		Class H (180)

200 EXECUTIVE DRIVE, WATERLOO, IN 46793
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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.

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.

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