

Technical Data Sheet

Electronic & Engineering Materials

ELAN-Tron[®] E 8162 White Epoxy

Two-Component Thixotropic Dip Coat

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ELAN-Tron[®] E 8162 White Epoxy

Product Description

ELAN-Tron[®] E 8162 White is a two-component, heat-cured, epoxy system.

Area of Application

Dip coat for electronic devices to provide environmental & mechanical protection

Features and Benefits

- Excellent chemical and moisture resistance
- Resistant to thermal shock
- Opaque white color
- Thixotropic for high build
- Low runoff during cure

Application Methods

- Dip coat
- Curtain coat
- Screen print
- Roller coat

Transportation / Storage

Store below 25°C / 77°F in a dry controlled environment out of direct sunlight. This material should be suitable for use stored under these conditions in the original sealed containers for twelve (12) months from the date of shipment.

Failure to store the product as recommended above may lead to deterioration in product performance.

Mix individual components thoroughly before use

Health / Safety

Refer to the Material Safety Data Sheet.

Typical Properties of Material as Supplied

Property	Conditions	Value		Units
		ELAN-Tron [®] E 8162 White Resin	ELAN-Tron [®] C 8162 Hardener	
Color		Opaque White	Amber	
Weight per Gallon	25°C / 77°F	11.0 – 11.4	7.8 – 8.2	pounds
Flash Point	ASTM D93	> 94 > 201	> 94 > 201	°C °F
Mix Ratio	Parts by weight	100	20	

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Application

Vapor degrease or ultrasonically clean units prior to coating

Mix Resin and Hardener in specified ratio until homogeneous. Mix only as much material as will be needed for the job at hand.

Pot life is 30 – 60 minutes at room temperature

Apply material to units by dip coat, curtain coat or other appropriate method.

Curing Schedule

Cure for 3 hours at 65°C / 150°F – or –

1 hour at 85°C / 185°C

Cure schedule is based on time after unit reaches specified temperature

Typical Mechanical Properties

Property	Conditions	Value	Units
Thermal Shock	-55 to 130°C	Pass 10 cycles	
Hardness	Shore D	80 - 85	

The above properties are typical values and are not intended for specification use.

ELANTAS PDG, Inc. warrants the chemical composition of its products within stated tolerances, but does not guarantee that a product will be appropriate for any particular application. Any recommendation, performance of tests or suggestion is offered merely as a guide and is not a substitute for a thorough evaluation by the user. No representative of ELANTAS PDG, Inc. has the authority to offer a warranty that a product will perform satisfactorily in manufacturing a product and no such representation should be relied upon.