

Technical Data Sheet
Secondary Insulation Pigmented Resin

EpoxyLite® 7001 Series Enamels

Single Component Air Dry Insulating Enamel

Description

7001 Series is a glossy epoxy ester insulating resin which provides outstanding chemical resistance properties. 7001 Series comes various colors and clear:

7001-001 Clear
7001-15 White
7001-35 Black
7001-38 Gray
7001-55 Green
7001-62 Silicone Red
7001-65 Red

Uses

Protecting electrical winding end turns which will be exposed to extreme moisture, corrosive environments.

Cured Properties

Hard, glossy, flexible film providing good adhesion and high dielectrics.

Catalyst

No catalyst is required.

Recommended Cure

8- 24 hours Air Dry @ 25°C (77°F)-OR-
Force Cure
Air Dry 1 hour @ 25°C (77°F) then
20–30 minutes @ 80-90°C (176–
194°F)

Features and Benefits

- Provides good adhesion
- High Dielectrics
- Class F (155°C)
- Good film build
- Resistance to acids, alkali, and chemicals
- 15 minute dust free
- 1 hour dry to touch
- Available in aerosol cans

Application Methods

- Spray
- Substrate must be clean, rust and contaminant free

Transportation/Storage/Shelf Life

This resin should be stored at a 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 this product as recommended above may lead to deterioration in product performance and invalidate shelf life. Agitate before use.

TYPICAL PROPERTIES

Properties – Air Dried 24 hours

<i>Test</i>	<i>Value</i>	<i>Units</i>
Gloss @ 60°	70 minimum	
Recommended Dry Film Thickness	1.0 – 1.5	Mils

Electrical Properties

<i>Test</i>	<i>Value</i>	<i>Units</i>
Dielectric Strength – AS MADE (ASTM D149)	> 1000	Volts/mil
Dielectric Strength after 24 hours in water (ASTM D149)	> 1000	Volts/mil
Film thickness	1.0 – 1.5	mils

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 manufacturer. 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.

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