

Technical Data Sheet
Secondary Insulation Pigmented Resin

RanVar B-6-665 (32230CM) Red Enamel

Single Component Air Dry Insulating Enamel

Description

B-6-665 is a glossy epoxy ester insulating resin which provides outstanding chemical resistance properties. B-6-665 is a moderate viscosity red liquid also available in aerosol cans.

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
- Reduce as necessary

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 six (6) 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.

Properties of Material Supplied

<i>Test</i>	<i>Value</i>	<i>Units</i>
Viscosity @ 25°C (77°F) (ASTM D 4212) #3 EZ Zahn Cup	40 – 80	Seconds
Percent Non - Volatile matter (ASTM D 2369)	56 - 61	Percent
Flash Point (ASTM D93), typical	26 (79)	°C (°F)
Reducer	Xylene	

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)	3600	Volts/mil
Dielectric Strength after 24 hours in water (ASTM D149)	1700	Volts/mil
Film thickness	1.0 – 1.5	mils

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

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