

Technical Data Sheet

Secondary Insulation

RanVar™ B276

Air-Drying Epoxy Impregnating Resin

RanVar™ B276

Product Description

RanVar™ B276 is a solvent-borne, air-drying, modified epoxy impregnating resin.

Areas of Application

Impregnation of stator and transformers windings

Protective coating for printed circuit boards, resistors and other components

Compatible with most urea and melamine resins for the formulation of baking enamels

Features and Benefits

- Fast drying
- Chemical, oil and mar resistant
- Excellent adhesion to copper and steel
- Conforms to Siemens spec 32201AA

Application Methods

- Dip-and-Bake
- Spray

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 this product as recommended above may lead to deterioration in product performance.

Keep containers tightly sealed to minimize evaporation

Mix product thoroughly before use

Health / Safety

Refer to the Material Safety Data Sheet.

Typical Properties of Material as Supplied

Property	Conditions	Value	Units
Viscosity	25°C / 77°F	500 - 800	cP
Non-Volatile Content	1.5 g - 3 h - 135°C	50 - 52	%
Weight per Gallon	25°C / 77°F	7.7 - 8.1	pounds
Adjustment Thinner		ELAN-Plus™ BS-107 Reducer	
Flash Point	ASTM D93	28 82	°C °F

Curing Schedule

RanVar™ B276 will air dry at 25°C / 77°F to a tack-free surface in 10 - 20 minutes. Cure can be accelerated by baking at 150°C / 302°F for 15 - 20 minutes after an initial flash-off of one minute.

Impregnated windings must allow a minimum of three days at room temperature for evaporation of solvent and penetration of oxygen to achieve best properties.

RanVar™ B276

Typical Electrical Properties

Specimen cured 72 hours at 25°C / 77°F

Property	Conditions	Value	Units
Dielectric Strength	ASTM D149	2100	volts/mil
Dielectric Strength	ASTM D149 After 24 hours in water	1200	volts/mil

Underwriters Laboratories Recognition (ELANTAS File E75225)

Wire Construction	Helical Coil	Twisted Pair
NEMA MW24	155	180
NEMA MW28	105	130
NEMA MW35	-	180
NEMA MW26	155	130
NEMA MW30	180	180

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.