



High Voltage Power Generators

Liquid Electrical Insulation Resin Solutions

High Voltage Power Generators

High voltage power generators provide electricity to homes and businesses throughout the world. Large power stations depend on these generators to convert mechanical energy to usable electricity.

Consumers count on these stations for a consistent and dependable supply of power. The stations, in turn, require a proven electrical insulation system for long term reliability under high-stress conditions.

Product Summary

Pedigree®, RanVar™, Sterling® and Epoxylite® insulating resins are perfect for keeping your industrial generators in top performance condition day after day.

Pedigree® resins offer a long field service history in impregnation of generators.

RanVar™ resins provide outstanding moisture and chemical resistance in small and large generator applications.

Sterling® resins have excellent stability and long field history under demanding conditions. Used in the impregnation of small and large stators.

Epoxylite® resins are used in overcoating and impregnation of armatures, stators and coils in generators and motors.



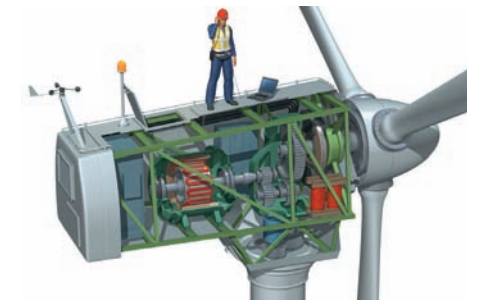
ELANTAS PDG, Inc. is a team of professionals with access to the latest international research developments and technical advancements in the production of high quality electrical insulation products offering long term reliability.

Solutions For

- **Difficult Impregnation of High Voltage Coils**
- **High Temperature Operations**
- **Severe Duty Applications**
- **Tank Stability**

Application Methods

VPI



Product Characteristics at a Glance

Product	Unique Characteristics	Thermal Class MW35 Twisted Pair	Viscosity (cps) @ 25°C/77°F
RanVar™ R2003 VTC	A unique copolymer resin in vinyl toluene. It exhibits excellent moisture and chemical resistance. It is a high bond strength resin used in the impregnation of small and large generators including high voltage. Included in multiple UL recognized insulation systems.	180	450 - 750
Pedigree® 433-75 VTC	An unsaturated polyester resin in vinyl toluene. It is an excellent choice for impregnation of generators with high bond strength. Included in multiple UL recognized insulation systems.	180	600 - 900
Sterling® PB 302-LV-2	A modified polybutadiene resin in vinyl toluene. Excellent impregnant for a wide variety of electrical apparatus. Superior long term moisture resistance. Low dissipation factor. Very low weight loss at high temperature. Designed for both AC and DC generator applications.	180	300 - 450
Sterling® E 881 BE Vipak® Resin	High voltage resin for Vipak® Insulation System. Low viscosity resin for use with mica and armor B-staged tapes.	180	275 - 375
Epoxylite® E 577	High voltage, single-component epoxy. Class H high strength resin for VPI of low to high 13.8 KV stators, armatures and field coils.	200	1000 - 3000
Sterling® E 833	A single-component epoxy, designed for use in high voltage applications. It has been an industry standard for use in high voltage generator for many years. Low viscosity, excellent stability and thermal ratings up to 180°C.	180	300 - 700

For More Information Ask For Our Technical Data Sheets.



ELANTAS PDG, Inc.

ELANTAS Electrical Insulation

Around the world, ELANTAS Electrical Insulation companies are respected as market leaders in the development and manufacturing of impregnating resins (varnishes), wire enamel, potting compounds and casting resins for a number of electrical, industrial, aerospace and civil applications. No matter what your challenge, be assured that ELANTAS Electrical Insulation products will meet your most demanding needs.

ELANTAS PDG, Inc.

Today, ELANTAS PDG, Inc. is recognized as the premier global supplier of specialty polymers for the electrical and electronic industries. ELANTAS PDG, Inc. is a member of ALTANA's ELANTAS Electrical Insulation Division based in Wesel, Germany.

With the support of ALTANA and by working with other ALTANA divisions, we offer a unique global approach to research, manufacturing and service that translates into more creative solutions, dependable supply and consistently high quality.

Many ELANTAS PDG, Inc. products are recognized as components of electrical insulation systems in accordance with UL 1446. ELANTAS PDG, Inc. is registered to ISO 9001:2000 and ISO/TS 16949:2002- Second Edition.

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A member of  **ALTANA**



ELANTAS PDG, Inc. headquarters in St. Louis, Missouri

ELANTAS Electrical Insulation companies are strategically located throughout the world to meet the primary insulation, secondary insulation and electronic and engineering materials needs of our customers.

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Electrical Insulation