



Dry Type Transformers

Liquid Electrical Insulation Resin Solutions

Dry Type Transformers

Dry type transformers have provided a safe and reliable power source for many years. They do not require fireproof vaults, catch basins or the venting of toxic gases.

Because dry type transformers present minimal risk to the environment, they are often chosen for permanent installations. A reliable electrical insulation system can provide extended service life and protect your investment.

Product Summary

Pedigree®, RanVar™, Ripley™, and Isonel® insulating resins are perfect for keeping your dry type transformers in top performance condition day after day.

Pedigree® resins offer a long field history in dry type transformers.

RanVar™ resins provide outstanding moisture and chemical resistance in dry type transformers.

Ripley™ resins are epoxy-based materials with a long field service history in dry type transformers.

Isonel® resins are longstanding industry standards for use in general transformer applications.



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.

Solutions For

- **UL Recognition**
- **Vibration and Noise Reduction**
- **Extended Service Life**
- **High Temperature Stress**



Application Methods

- VPI
- Dip and Bake

Product Characteristics at a Glance

Product	Unique Characteristics	Thermal Class MW35 Twisted Pair	Viscosity (cP) @ 25°C/77°F	Voltage			Application Method	
				High	Medium	Low	VPI	Dip & Bake
Pedigree® 50 VTC	An unsaturated polyester resin in vinyl toluene. It is an excellent choice for impregnation of small and large transformers. It is flexible which assists in noise dampening. Has excellent high temperature resistance. Can be filled.	180	150 - 250	✓	✓	✓	✓	✓
RanVar™ B7-373 VT RanVar™ B7-373 VTC	A semi-rigid, unsaturated polyester resin in vinyl toluene. Excellent penetration capability. Good film build for a single dip. Low dissipation factor at elevated temperatures. Excellent chemical and moisture resistance. Available in two-component or single-component precatalyzed versions. Included in multiple UL recognized insulation systems	180	900 - 1200	✓	✓	✓	✓	✓
Ripley™ E 468-2	A single-component heat curing epoxy resin. It is the industry standard for the impregnation of all types of transformers. An extremely flexible resin system that has excellent noise dampening characteristics and a high flash point.	180	300 - 500	✓	✓	✓	✓	✓
Pedigree® 70 VTC	An unsaturated polyester resin in vinyl toluene. It is a highly versatile, resilient resin. Included in multiple UL recognized insulation systems.	180	275 - 450 150 - 200	✓	✓	✓	✓	✓
Isonel® 31-398	A general purpose, modified polyester varnish. Has low viscosity and offers excellent stability. Included in multiple UL recognized insulation systems.	180	250 - 350		✓	✓		✓

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 and ISO/TS 16949.

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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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