



Power Supply Transformers

Liquid Electrical Insulation Resin Solutions

Power Supply Transformers

Power supply units transfer energy from a source to a load while changing the characteristics of the energy to meet specific requirements.

From industrial to household applications, power supply transformers make the equipment in our daily lives function efficiently.

Product Summary

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

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

Pedigree® resins offer a long field service history in power supply transformers.

RanVar™ resins provide outstanding moisture and chemical resistance in power supply 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.

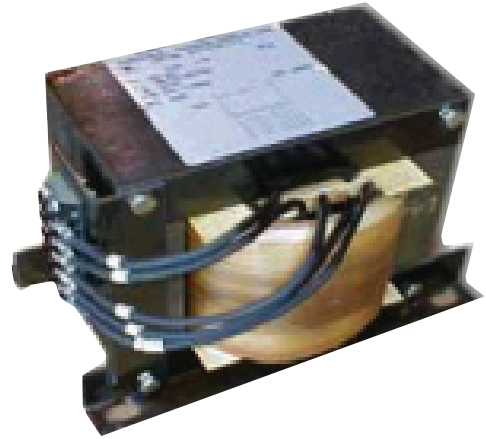
Solutions For

- **UL Recognition**
- **High Temperature Stress**
- **Extended Service Life**
- **Thermal Conductivity**



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
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® 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	✓	✓	✓	✓	✓
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	✓	✓	✓	✓	✓
RanVar™ B277	A styrenated alkyd air-drying or baking varnish. Available in clear or black with fast drying characteristics. Excellent moisture and humidity resistance. Included in multiple UL recognized insulation systems.	180	400 - 800			✓		✓
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		✓	✓		✓

Alternate cure schedule may be possible for your application. Consult with your ELANTAS PDG representative.

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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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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