

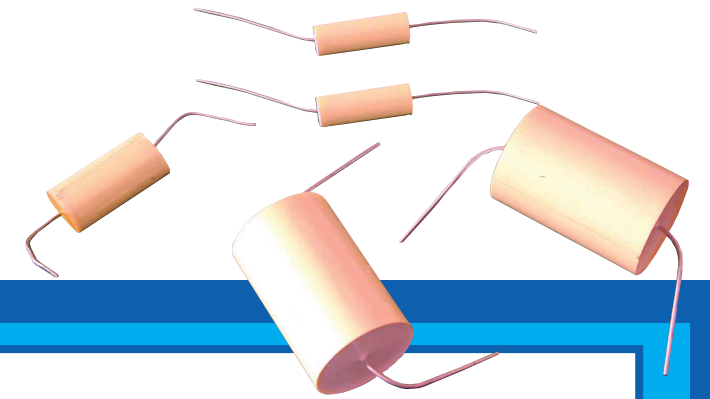
# ELAN-Tron<sup>®</sup>, ELAN-Cast<sup>®</sup>, and Bectron<sup>®</sup> resins for **Components**

# Components



## Application Methods

- Vacuum Potting
- Meter-Mixing
- Atmospheric Potting
- Casting



## Product Summary

ELAN-Tron®, ELAN-Cast® and Bectron® resins are available in numerous formulations for casting, coating or potting of sensitive electronic components.

## Product Uses

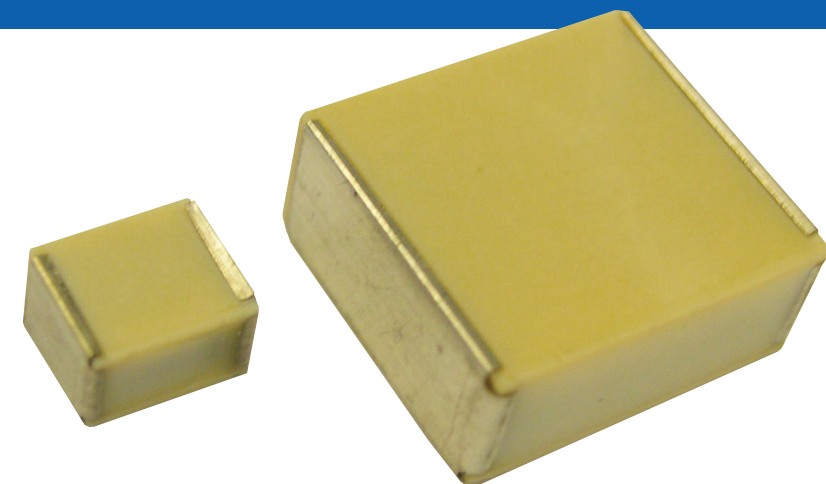
- EMC Filters
- Capacitors
- Power Semiconductors
- LED Displays

## Product Characteristics at a Glance

		Mixed Viscosity cP at 25°C	Mix Ratio (by weight)	Glass Transition Temperature (Tg)	Shore Hardness	Gel Time at 25°C (minutes)	Cure Schedule for Optimum Properties	Maximum Service Temperature (IEC 60085)
ELAN-Cast® P 300 S RTC ELAN-Plus™ C 8 Hardener	Two-component, unfilled, very flexible polyester resin system. Room temperature / low heat cure. Moisture-resistant. UL system listed.	100 - 200	100 : 1	20 - 30°C	60 - 80 A	35 - 50	24 h at 25°C or 2 h at 80°C	180°C
ELAN-Tron® E 4141 White Resin ELAN-Tron® C 4141 Hardener	Two-component, filled, rigid epoxy resin system. Fast room temperature / low heat cure. Potting compound for connectors and small electronic components.	4500 - 6500	100 : 10	85 - 90 °C	83 - 88 D	40 - 60	24 h at 25°C + 15 h at 60°C	155°C
ELAN-Cast® E 471-5LL FR Black Resin ELAN-Cast® E 471-5LLHV FR Black Resin ELAN-Cast® C 471-5LL Hardener	Two-component, filled epoxy resin system. Enhanced chemical resistance with low stress, room temperature / low heat cure. 471-5LL HV formulated for high build. UL System listed. Flame retardant per UL 94 V0.	2000 - 3000 27000 - 33000	100 : 15 100 : 15	48 - 53°C 48 - 53°C	83 - 88 D 83 - 88 D	450 - 500 450 - 500	168 h at 25°C or 4 h at 80°C	130°C 130°C
ELAN-Tron® E 8162 White Resin ELAN-Tron® C 8162 Hardener	Two-component, filled, epoxy resin system. Room temperature / low heat cure. For dip-coating of electronic devices. Withstands thermal cycling from -55°C to 130°C.	10000 - 15000	100 : 20	73 - 78°C	83 - 88 D	85 - 105	24 h at 25°C + 15 h at 60°C	130°C
Bectron® PU 4501 Resin Bectron® PU 4501 Hardener	Two component, water-white elastic polyurethane with good resistance to yellowing. Room temperature cure. Low exothermic reaction.	500 - 700	100 : 50	< -40°C	25 - 45 A	40 - 60	24 h at 25°C	130°C
ELAN-Tron® U 6752 White Resin ELAN-Tron® UH 510S Hardener	Filled polyurethane resin system. Room temperature / low heat cure. Low shrinkage. Excellent thermal conductivity. Flame retardant per UL 94 V0. Flexible to -20°C.	3000 - 5000	100 : 15	< -20°C	70 - 90 A	3 - 7	72 h at 25°C or 2 h at 80°C	130°C

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 9001:2000 and ISO/TS 16949:2002- Second Edition.

## ELANTAS PDG, Inc.

5200 North Second Street  
St. Louis, MO 63147 USA

**Tel 314.621.5700**

**Fax 314.436.1030**

info.elantas.pdg@altana.com  
www.elantas.com

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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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