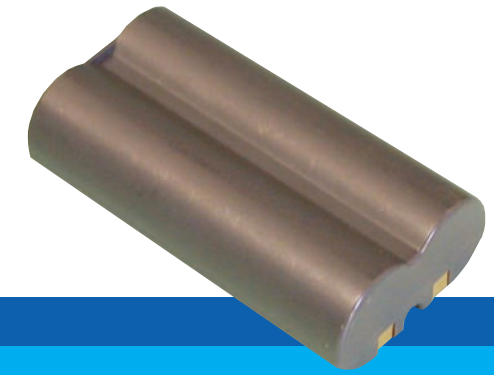


ELAN-Cast® and ELAN-Tron® resins for Assembly

Assembly

Application Methods

- Vacuum Potting
- Meter-Mixing
- Atmospheric Potting



Product Summary

ELAN-Cast® E, ELAN-Cast® P and ELAN-Tron® U resins provide mechanical stability with low shrinkage and excellent adhesion to plastic and metal substrates.

Product Uses

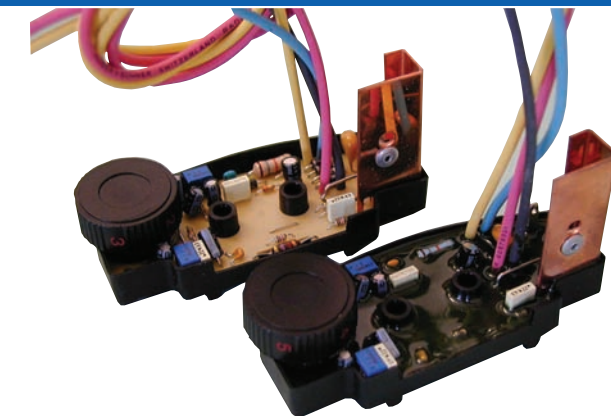
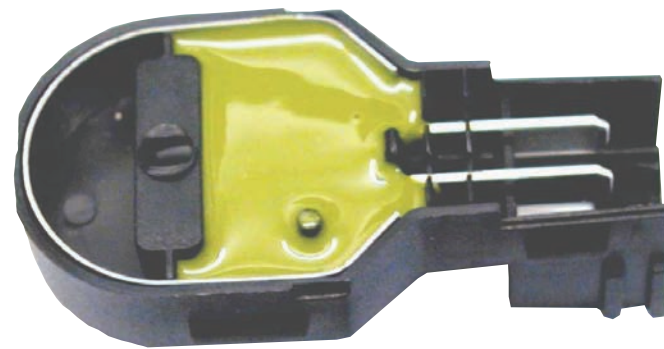
- Wire Harnesses
- Battery Potting
- OLED Sealants
- Cable Joints
- Connectors
- Relays

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® U 510S Brown Resin ELAN-Tron® UH 510S Hardener	Two-component, unfilled polyurethane resin system. Room temperature / low heat cure. Flexible to -40°C or below. Designed for automotive applications. Resistant to hydrolysis (85°C / 85% RH).	3200 - 4200	100 : 24	< -60°C	50 - 60 A	20 - 25	72 h at 25°C or 2 h at 80°C	130°C
ELAN-Cast® E 57 Red Resin ELAN-Cast® C 226 Hardener	Two-component, filled, rigid epoxy resin system. Room temperature / low heat cure. Low mix viscosity. Autoclavable.	800 - 1300	100 : 12	58 - 63°C	83 - 88 D	10 - 20	72 h at 25°C or 2 h at 80°C	155°C
ELAN-Cast® E 297 Resin ELAN-Cast® C 85 Hardener ELAN-Cast® C 110 Hardener ELAN-Cast® C 46 Hardener	Two-component, filled, rigid resin system. Room temperature / low heat cure. Available in natural and black. Low pouring viscosity. Range of gel times available depending on choice of hardener.	1500 - 2500 1500 - 2500 1500 - 2500	100 : 20 100 : 20 100 : 20	47 - 53 °C 45 - 50 °C 53 - 57 °C	80 - 85 D 80 - 85 D 80 - 85 D	10 - 15 35 - 45 270 - 330	24 h at 25°C + 15 h at 60°C	155°C 155°C 155°C
ELAN-Cast® E 210 Green Resin ELAN-Cast® E 805 Black Resin ELAN-Cast® C 383 Resin	Two-component, semi-rigid epoxy resin system, available in black or green. Room temperature / low heat cure. For encapsulation of transformers or potting of connectors or wiring harnesses.	600 - 1000	100 : 17	40 - 45 °C	73 - 77 D	70 - 90	24 h at 25°C + 15 h at 60°C	130°C
ELAN-Cast® E 4260 Black Resin ELAN-Cast® C 321 Hardener	Two-component, filled, epoxy resin system. Room temperature / low heat cure. High thermal conductivity. Suitable for use at Class H temperatures.	1500 - 2500	100 : 10	55 - 60 °C	85 - 90 D	400 - 500	24 h at 25°C + 15 h at 60°C	180°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.

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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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