Electrically Conductive Adhesives from Polytec PT

Description

Polytec PT offers a range of high technology, electrically conductive adhesives. The products are two-part and single-part epoxy systems designed for electronic interconnects in a wide range of applications, including hybrid electronic assembly and solder replacement.

Polytec PT electrically conductive adhesives are available in a wide range of process friendly packaging options, including bubble-free syringes, pre-measured twin-packs and single syringes containing the adhesive pre-mixed and frozen.

Processing	Cold-curing	
Components	1K	2K
Electronics applications high-strength	-	EC 101
Electronics applications flexible	PU 1000	-
Electromagnetic sheilding	-	EC 262-2

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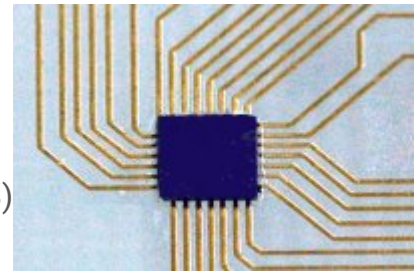
Features & Benefits

- Excellent electrical conductivity – volume resistivity ~10^{-4} Ω·cm
- Process convenient packaging, including twin-packs and premixed and frozen syringes
- Application specific formulations
- Suitable for dispensing, printing, stamping and jetting
- Polytec EC 101 is certified to USP Class VI for medical device manufacture
- Thermal and room temperature cure schedules
- Flexible formulations

Applications

- Die attach, chip on board (COB)



- Solder replacement
- Flip chip packaging
- Medical device manufacture
- Opto-electronics

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- Hybrid microelectronics
- Flexible circuitry
- LEDs
- RFI/EMI shielding

Product name	Features	Application

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Polytec EC 101	· Number of components: 2 · Mix ratio by weight: 1:1 · Temperature range: -55 to +200°C · Colour: silver · Shore hardness: D85 · Volume-resistivity (Ω.cm): 1-4 10^{-4} · Consistency: creamy paste	**Polytec EC 101** is a standard two component, silver filled, electrically conductive epoxy for high volume chip and substrate bonding in microelectronic, medical, hybrids, opto-electronics, LED and photovoltaic applications on ITO, TCO, metals, glass, Si, ceramic and most plastics. It can be cured below 100°C. The special chemistry of this epoxy also allows rapid cure cycles at higher temperatures. Also available pre-mixed, frozen and bubble-free and low viscosity **USP Class VI certified**

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Polytec EC 112	· Number of components: 2 · Mix ratio by weight: 1:1 · Temperature range: -55 to +200°C · Colour: silver · Shore hardness: D80 · Volume-resistivity (Ω.cm): 2*10-4 · Consistency: creamy paste	**Polytec EC 112** is a standard two-component, silver filled, electrically conductive, screen printable epoxy. It was designed for chip bonding applications, in microelectronics, LED, medical, hybrids and opto-electronic applications. Supplied pre-mixed, frozen and bubble-free.

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Polytec EC 242	· Number of components: 1 · Temperature range: -55 to +220°C · Colour: silver · Shore hardness: D90 · Volume-resistivity (Ω.cm): $5 10^{-4}$ · Consistency: creamy paste	**Polytec EC 242** is a single part, silver filled epoxy resin with a long pot life and excellent electrical, as well as thermal conductivity. It can be used in applications including circuitry, packaging and substrate bonding in power electronics, photovoltaic, and hybrid microelectronic applications. Supplied pre-mixed, frozen and bubble-free.
Polytec EC 262-2N	· Number of components: 2 · Temperature range: -55 to +240°C · Colour: black · Shore hardness: D55 · Volume-resistivity (Ω.cm): $5.75 10^{1}$ · Consistency: creamy paste	**Polytec EC 262-2N** is two-part, solvent free, graphite filled epoxy with excellent electrically conductive properties. It is designed to be used as an adhesive or coating in HF/EMI Shielding or ESD applications.

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Polytec EC 275	· Number of components: 2 · Temperature range: -55 to +200°C · Colour: silver · Shore hardness: D85 · Volume-resistivity (Ω.cm): 7.5 10^{-4} · Consistency: creamy paste	**Polytec EC 275** is a two-component, silver-filled, cost-effective – High Performance electrically conductive adhesive for die attach and substrate bonding. Also available pre-mixed, frozen and bubble-free.

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Polytec PU 1000	· Number of components: 1 · Temperature range: -40 to +100°C · Colour: silver · Shore hardness: D35 · Volume-resistivity (Ω.cm): 2-4 10^{-4} · Consistency: creamy paste	**Polytec PU 1000** a single part, flexible, electrically conductive adhesive which cures at room temperature. This PU-dispersion is suggested for electrically conductive bonding and coating applications on absorbing substrates like fabric, paper, leather, cork and non-absorbing substrates like glass, ceramics, PMMA, metals and most plastics. The crosslinked polyurethane combines a very high degree of flexibility with a very good mechanical stability.

Ordering Information

Electrically Conductive Adhesives from Polytec PT

 01865	
842842	orders@intertronics.co.uk

- Name*
- Company*
- Phone*
- Email*
- Post code*

If you're in the UK, knowing your postcode would help us get in touch even more quickly. If you're outside the UK, please indicate your country.

- Tell us about your application

Electrically Conductive Adhesives from Polytec PT

Any information that you submit using this form will be processed according to our privacy policy.

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Submit

Supplied by:

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Last updated: November 2022 Version: 3.2