

Potting

One and two-component moulding resins

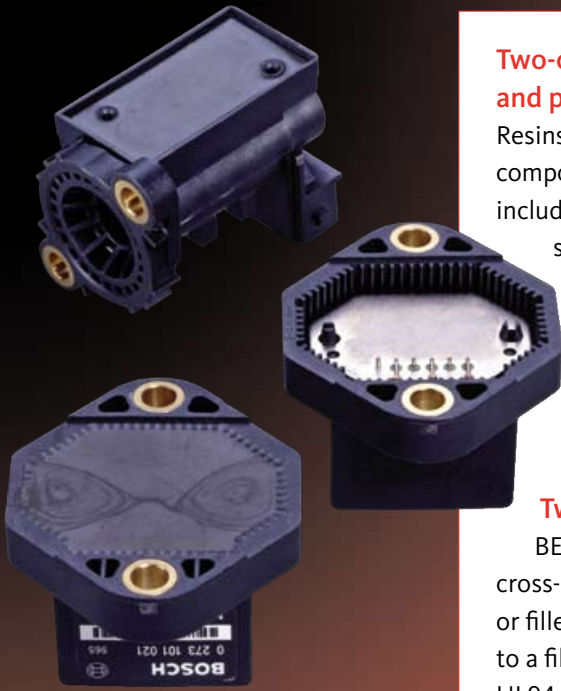


Against aggressive environmental stress and mechanical impacts

BECTRON[®] casting resins exhibit high elasticity combined with a high resistance to mechanical stress. These materials can be used in ambient temperatures that range from -60°C to +200°C depending on their chemical base. Selection of the chemical technology is determined by the structural condition of the respective application.

One-component polyurethane systems

The one-component BECTRON[®] PK product range is also used for potting. In contrast to standard two-component resin systems, the BECTRON[®] PK series comes ready for use. The outstanding features of this material are its exceptionally high level of environmental friendliness and its safety in use due to the fact that it is not a hazardous material.



Two-component polybutadiene and polyurethane systems

Resins from the BECTRON[®] PU 45 family consist of two-component polyurethane systems. The product range includes both unfilled ("clear") and filled ("opaque") resin systems. The products vary in viscosity and degrees of hardness and generally have good thermal conductive properties. The PB 32 series has a polybutadiene formulation base. This ensures high flexibility even at low application temperatures. The resistance to fluctuations in temperature exhibited by these systems is outstanding.

Two-component silicone systems

BECTRON[®] SK 75 are two-component silicone moulding compounds that are cross-linked by addition or condensation for high temperature resistance in clear or filled versions. They are available in different viscosities, from a transparent gel to a filled, elastic silicone rubber that have a high degree of thermal stability and UL94-V0 classification. Ideal protection for delicate electronic components.

Two-part epoxy systems

BECTRON[®] EP 55 are two-component epoxy resin systems, that range from clear formulations to filled systems that have a high resistance to mechanical stress. In contrast to other chemical compounds, the advantage of EP resin formulations is their high resistance to chemicals with restricted temperature-change behaviour.



Fields of application

- + Bonded circuits
- + ABS controls
- + Clutch controls
- + LED cards
- + Reed relays
- + Capacitive sensors
- + Ultrasonic sensors
- + Cable connections
- + Hybrids
- + Airbag systems



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