Tyre Pressure Sensor Potting IRS 2012-1

Application

Potting of vehicle tyre pressure monitoring sensors.

Substrates bonded	FR4, electronic components, ABS moulding
Process	Potting
Pre-treatment	None
Curing conditions	23°C for 24 hours
Resistances required	▪ Chemical and fluid resistance ▪ RF transparency ▪ Shock resistant ▪ -40°C to 60°C temperature resistance
Customer benefits	▪ Low density formulation protects sensors without adding significant weight ▪ Room temperature cure negates need for curing ovens ▪ Supplied in premeasured twin-packs to simplify production process

Product description

IRS 2012-1 Epoxy Potting Compound is a very low density, light weight epoxy resin system with excellent physical properties. It is used in systems where weight is critical such as auto sport, motor racing and aerospace.

Features and benefits:

- Low density
- Light weight fillers reduce overall mass
- Excellent electrical properties
- Chemical resistance to solvents, oils, fuels, acids, bases and hydraulic fluids
- Low cure shrinkage
- Available in easy-to-use twinpacks

Suitable in applications involving:

- Motorsport sensors
- Vehicle tracking
- Animal tracking devices

Let's start by talking about your application
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