

Industrial Switch Potting

IRS 2040-1

Application

Potting of mass-produced switches regularly used in the oil and gas industries, manufacturing, mining, marine and many other extreme environments.

Substrates bonded Aluminium, Stainless Steel, PVC, ABS

Process Potting

Pre-treatment None

Curing conditions

- RT for 24 hours

Resistances required

- Resistance to moisture and chemicals prevalent in operating environment

Key selection criteria

- High adhesion and impact resistance
- Flame retardant

Customer benefits

- Low shrinkage formulation minimizes stress on components during potting
- Flowable viscosity enables complete coverage, even in hard-to-reach areas



Product description

IRS 2040-1 Epoxy Potting Compound is a non-toxic, general-purpose, flame-retardant encapsulating compound. It has a long pot life and can be cured at ambient temperatures or accelerated with heat. When cured, IRS 2040-1 exhibits good surface finish, high electrical strength, good thermal conductivity, low exotherm and low cure shrinkage.

Features and benefits:

- High electrical insulating characteristics
- Non-toxic
- Good thermal conductivity
- Low shrinkage
- Flame retardant to UL94 V-0 @ 3mm
- Good chemical and water resistance
- Meets the requirements of WEEE and RoHS

Suitable in applications involving:

- Electronics potting in harsh environments
- Vehicle electronics
- Pipeline inspection systems



Let's start by talking about your application

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