

# IRS 2013 Low Stress Flexible Epoxy Encapsulant / Potting Compound



## Description

IRS 2013 is a black, flexible epoxy encapsulant resin system. Its low viscosity and fast room temperature cure make it an ideal potting compound when low stress or adhesion to flexible substrates is required.

## Features & Benefits

- Low viscosity, unfilled system
- Excellent potting and encapsulation system with good flow properties
- Cures quickly at room temperature, but with relatively low exotherm
- High flexibility and low exotherm results in a low stress system
- Good adhesion to a wide range of substrates, but very high peel strengths on flexible substrates
- Good shock resistance due to flexibility
- Excellent electrical properties
- Good chemical resistance to solvents, oils, fuels, acids and bases
- Black, high gloss finish
- Available in easy-to-use twinpacks

## Specifications

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Typical properties	
Curing	Pot life @ 23°C: 30 minutes Cure time @ 23°C: 8 hours
Mix ratio	5:1
Mixed viscosity	<5 Pa.s (5000 cps)
Density	1.15g/cm <sup>3</sup>
Hardness, Shore D	70
Lap shear (Al/Al)	20 MPa
Peel strength (rubber/rubber)	25N/cm
Dielectric strength	13 kV/mm
Relative permittivity	<5
Operating temperature	-40°C to 150°C
Colour	Black

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## Ordering Information

IRS 2013 is available in twinpacks or in bulk.



The twinpack sachet is a clear film sachet, with the resin and hardener separated by a removable clip and rail divider. [Click here for twinpack mixing instructions.](#)

Part number	Description
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# IRS 2013 Low Stress Flexible Epoxy Encapsulant / Potting Compound



Part number	Description
IRS2013-120G	Flexible Epoxy Encapsulant/Potting Compound, 120 gram twinpack

For best results, store away from strong alkalis, oxidising materials, strong acids and amines. The conditions must prevent the formation of sparks and static electricity. Keep only in the original container. Keep container upright and tightly closed, in a cool, well-ventilated place. Protect containers from damage. Bund storage facilities to prevent soil and water pollution in the event of spillage. The storage area floor should be leak-tight, jointless and not absorbent.

Supplied by:

**intertronics**

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Last updated: September 2019 Version: 2.3

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