


IRS 3078 Polyurethane Potting Compound



Description

Also available to buy online at [!\[\]\(666e09182d4cd268646ea700ea60dcdf_img.jpg\)](#)
| **SHOP** 

IRS 3078 Polyurethane Potting Compound



IRS 3078 Polyurethane Potting Compound is a semi-

rigid, room temperature curing and electrically insulating black polyurethane potting compound. The material is low viscosity, flowable and available in convenient side-by-side double syringe cartridges. It offers high adhesion and impact resistance, with a resilient Shore D 65 hardness.

IRS 3078 may be used as a low viscosity adhesive.

Features & Benefits

IRS 3078 Polyurethane Potting Compound



Flowable, semi-thixotropic

- High impact resistance
- Good electrical insulation properties
- Room temperature curing
- High adhesion
- Packaged in convenient side-by-side cartridges

Applications

IRS 3078 Polyurethane Potting Compound



Potting and encapsulating electronic assemblies

- Bonding of dissimilar materials
- Sealing road studs

Specifications

Specification

IRS 3078 Polyurethane Potting Compound



Mix ratio by weight	0.90:1	
Mix ratio by volume	1:1	
Viscosity	2,000 mPas	
Colour	Black	
Specific gravity	1.10	
Working life	6 minutes @ room temperature	
Cure schedule	Bondline temperature 10°C RT (20-25°C) 80°C	Time 24 hours – full cure 12 hours – full cure 6 hours – full cure
Typical properties		
Hardness, Shore D	65	
Temperature range	-40 to +130°C	
Thermal conductivity	> 0.2 W/mK	
Comparative tracking index	> 600 V	
Electric strength	10 kV/mm	

IRS 3078 Polyurethane Potting Compound



Volume resistivity	5×10^{14} ohm.cm	
Surface resistivity	6.9×10^{15} Ω	
Peak exotherm	65°C	
Impact strength	8.33 KJ/m ²	
Max elongation	23.5%	
Permittivity	3.25 KHz	

Lap shear strength	
Aluminium to Aluminium	14 Kg/cm ²
Stainless Steel to Stainless Steel	12 Kg/cm ²

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Safety Data Sheets

For the latest SDS for this product, please e-mail msds@intertronics.co.uk

As of 24 August 2023, adequate training is required before industrial or professional use of this product

Other Information

See **IRS3078** as part of a real application in this potting compound [Case Study](#):

IRS 3078 Polyurethane Potting Compound



CASE STUDY

intertronics
adhesives, coatings, sealants & equipment
for your manufacturing and technology applications

IRS 3078
Polyurethane potting compound
2-K-DOS
Metering, mixing and dispensing system



Potting compound and accurate, reliable dispensing for automotive lighting

Requiring a potting compound which could provide environmental protection to their high-powered outdoor LED lights, lighting manufacturer Venta Global selected IRS 3078 and a metering, mixing, and dispensing system to create a straightforward and repeatable process.

Our [Technical Bulletins & Articles](#) page has links to:

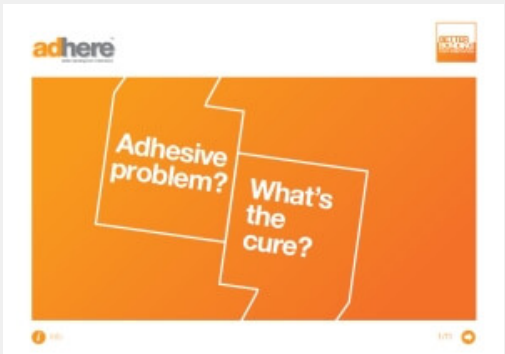
- [Instructions: 50ml Side-by-Side Double Syringe Cartridges](#)

IRS 3078 Polyurethane Potting Compound



[Structural Adhesives Selector Guide](#)

Start your adhesive selection process by reading our Structural Adhesives Selector Guide, detailing different chemistries and material specifications.



[Adhesive Problem? What's the Cure?](#)

A guide to adhesive bonding, considering structural bonding and the criteria involved for successful assembly.


IRS 3078 Polyurethane Potting Compound



Ordering Information


IRS 3078 is available in a convenient side-by-side double syringe cartridge.

The IRS3078-50KIT contains a 50ml cartridge of epoxy, a Syringe Gun and three static mixing nozzles. It is ideal for product evaluations or small quantity users.

Part number	Description
<div>IRS3078-50ML</div> <div></div>	<div>Polyurethane Potting Compound, Double Syringe Cartridge, 50ml</div>



IRS 3078 Polyurethane Potting Compound



Part number	Description
IRS3078-200ML 	Polyurethane Potting Compound, Double Syringe Cartridge, 200ml
IRS3078-5KG	Polyurethane Potting Compound, 5KG bulk kit
IDM805001	Dispensing Gun for 50ml Cartridge
IDM812001	Dispensing Gun for 200ml Cartridge
IDM2N10	Static Mixing Nozzle for 50ml Cartridges (pkg 10)
IDMSMTS9-24	Static Mixing Nozzle for 200ml Cartridges (pkg 10)

IRS 3078 Polyurethane Potting Compound



Part number	Description
<div>IRS3078-50KIT</div> <div><div>SHOP </div></div>	<div>Polyurethane Potting Compound Kit – contains 50ml cartridge of epoxy, a Syringe Gun and three static mixing nozzles</div>

Storage: Store in the original unopened containers under cool dry conditions between 15° and 25°C.

Let’s start by talking about your application

IRS 3078 Polyurethane Potting Compound



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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

IRS 3078 Polyurethane Potting Compound



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■ Name

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Supplied by:



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