

IRS 2112 Fast Curing General Purpose Epoxy Adhesive



Description

IRS 2112 Fast Curing General Purpose Epoxy Adhesive is a popular, rapid curing, general purpose two-part epoxy adhesive. It has excellent adhesion to a wide variety of substrates, including metal, glass, composites, GRP, glass fibre, ceramic, ferrite, wood, rigid plastic and many other common substrates. It can be used for structural bonding and sealing.

IRS 2112 cures to handling strength in minutes (even in smaller mass applications), and typically reaches full cure in 6-12 hours. Mixed, it has a viscosity like syrup, and cures to a hard, glossy, almost-clear finish.

IRS 2112 is supplied in convenient side-by-side double syringe cartridges.

Features & Benefits

- Versatile, general purpose adhesive
- Fast curing
- Excellent electrical properties
- Convenient packaging
- Non-toxic
- RoHS compliant

Specifications

IRS 2112 Fast Curing General Purpose Epoxy Adhesive



Typical Properties

Mix ratio	1:1
Mixed viscosity	27,000 cps
Gel time (room temperature)	4-5 minutes
Hardness, Shore D	75-80
Specific gravity (mixed)	1.15
Temperature resistance	-55°C to +100°C
Tracking resistance (CTI)	>600 V
Volume resistivity	15^{10} ohm.cm
Dielectric strength (2mm)	20 kV/mm
Dielectric constant	4.1 50Hz
Dielectric loss factor Tan delta	0.8 50Hz

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Typical Properties

Colour	Clear/Amber
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Cure Schedule, 150ml sample

Bondline temperature	Working life	Light handling	Full cure
2g mass @ RT	3 minutes	60 minutes	12 hours
10g mass @ RT	2 minutes	10 minutes	6 hours

Lap shear adhesion

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Pre-treatment: Abrasion with 300 grit emery and solvent wipe	
Aluminium to Aluminium	14 MPa
PVC to PVC	4.6 MPa
Copper to Copper	9 MPa
Nylon 6 to Nylon 6	2.3 MPa
Stainless Steel	13 MPa
Acrylic to Acrylic (PMMA)	3.2 MPa

Ordering Information

Part number	Description
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Part number	Description
IRS2112-50G	Double syringe cartridge, 50 gram
IRS2112-50KIT	Fast curing general purpose epoxy adhesive kit includes: <ul style="list-style-type: none">· 1 x IRS2112-50G Double syringe cartridge· 1 x IDM805001 Syringe gun· 3 x IDM2N10 Static mixing nozzles”
IRS2112-200G	Double syringe cartridge, 200 gram

For best results, store away from strong oxidising agents, strong acids, alcohols and amines. Store in a cool, well-ventilated area. Keep container tightly closed.

Supplied by:

intertronics

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