

FEATURES

- **Tough Epoxy Resin System**
- **Excellent Adhesion To A Wide Range Of Substrates**
- **Maintains Good Bond Strength In Harsh Conditions**
- **Good Electrical Properties**
- **Can Be Hot Or Cold Cured**

RS PRO Amber Epoxy Potting Compound

RS Stock No.: 199-1468



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

From RS PRO a high quality two-part clear amber epoxy resin encapsulation and potting compound. This epoxy potting compound provides a tough coating around your electrical components offering good protection from chemicals and water as well as having good electrical properties. One of the main features of this epoxy potting compound is an ability to adhere to a wide range of materials. Once applied, a strong bond is formed which is maintained even in harsh conditions. When this epoxy compound cures it forms a tough resin, however, flexibility can be adjusted by decreasing the amount of hardener when mixed which should be carried out after careful testing. This clear amber epoxy compound can be used as both a potting compound and an adhesive making it both versatile and cost-effective.

General Specifications

Product Material	Epoxy
Package Type	Pack
Cure Time	24h → 48h
Hardness	80 Shore D
Colour	Clear Amber
Specific Gravity	Amber
Chemical Composition	Epoxy Resin
Physical Form	Viscous Liquid
Storage Conditions	Dry Conditions: Above 15°C, Below 30°C
Usable Life (20°C)	1-2 hours1-2 hours
Gel Time (23°C)	4 hours
Volume Resistivity (ohm-cm)	1014Ωcm
Loss Tangent @ 50 Hz	0.01
Permittivity @ 50 Hz	45
Applications	LED applications, Outdoor applications

Electrical Specifications

Dielectric Strength	12kV/mm
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Mechanical Specifications

Package Size	500g
Tensile Strength (MPa)	45-50

Operation Environment Specifications

Operating Temperature Range	-40°C to +120°C
Maximum Operating Temperature	120°C
Minimum Operating Temperature	-40°C

Approvals

Compliance/Certifications	RoHS-2 Compliant (2011/65/EU):
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Tensile shear strength of bonded pickled light alloy:

Mix Ratio (Resin:Hardener)	Cured 7 Days @ 25°C	Cured 20 mins @ 150°C
2.0 : 1	170kg/cm ²	300kg/cm ²
1.5 : 1	180kg/cm ²	310kg/cm ²
1.0 : 1	180kg/cm ²	350kg/cm ²
0.67 : 1	150kg/cm ²	300kg/cm ²

