



3M™ Scotch-Weld™ Epoxy Potting Compound DP270

Clear, 48.5mL, 12 per case

3M Product Number 270, 3M ID 62326214368, UPC 00638060089736

★★★★★ 4.0 (1) Write a review

Overview

Details

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Customer Reviews

Large Volume Order



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- Features a 70 minute work life
- Rigid potting compound is non-corrosive to copper
- Minimal exotherm and very low shrinkage
- Flammability testing per UL94 HB

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Details

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3M™ Scotch-Weld™ Epoxy Potting Compound DP270 is low viscosity for easy dispensing and potting. It is non-corrosive to copper, minimal exotherm and very low shrinkage – making it well-suited for potting and bonding electronic and electrical components.

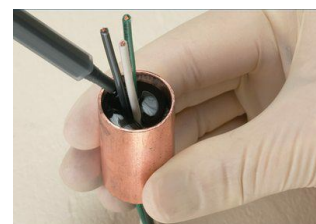
When using a Duo-Pak (DP) size adhesive, rely on [3M dispensing equipment](#) (PDF, 1.9 Mb) for convenient and accurate metering, mixing and dispensing.

Epoxy Compound Features 70 Minute Work Life

Our 3M™ Scotch-Weld™ Epoxy Potting Compound DP270 is a rigid, two-part epoxy adhesive with a 1:1 mix ratio and 70 minute work life. It provides initial strength in about 3 hours with approximately 2,500 PSI at 72°F (22°C). Additionally, our 3M™ [Scotch-Weld™](#) Epoxy Potting Compound DP270 is low viscosity for easy dispensing and potting; and is non-corrosive to copper. It offers good resistance to medical sterilization and is available in black opaque and transparent amber.

Recommended Applications

- Potting and bonding electrical components



Low viscosity for easy dispensing and potting

Understanding Epoxy Adhesives

Epoxy adhesives are part of the class of adhesives called "structural adhesives," which include polyurethane, acrylic, cyanoacrylate and others. Epoxies are formulated as liquid reactive polymers that undergo a chemical reaction when mixed and then cure to form a solid plastic material. Once the two parts are mixed in their specified ratio, they begin the curing process and offer a limited working time where the adhesive can be applied and the two surfaces positioned as needed. This work life lasts anywhere from a few minutes to several hours. These structural adhesives provide high shear and peel strengths, depending on the formula, and better heat and chemical resistance than other common adhesives. In general, epoxy adhesives have the highest overall strength and offer the best performance and most resistance to high temperatures, solvents and outdoor weathering.

Epoxy adhesive (often referred to as epoxy glue) is widely used in building and home construction; aircraft and automobile manufacturing; bicycle, boat, golf clubs, ski and snowboard assembly as well as a host of home use and other applications. It is used virtually anywhere high-strength bonds are needed along with resistance to environmental conditions. These adhesives are popular for their ease of use, mechanical strength and chemical resistance. Formulations can be created to make epoxy for plastic flexible or epoxy for metal rigid, epoxy resin transparent or opaque, quick setting or slow setting. The versatility with which these adhesives can be formulated helps meet almost any requirement for bonding wood, metal, glass, stone and various plastics.

[Click here for more information on 3M Structural Adhesives](#) (PDF, 16 Mb).

Resources

Brochure

[3M™ Scotch-Weld™ Structural Adhesives Sel Gd \(PDF, 6.7MB\)](#)

SDS

[3M™ Scotch-Weld™ Epoxy Potting Compound/Adhesive DP270 Clear \(PDF\)](#)

Brochures

[Adhesives and Tapes Design Guide \(PDF, 12.3MB\)](#)

Product Images

[3M™ Green Corps™ Hookit™ Regalite™ Discs, PN 00522 \(TIFF, 5.4MB\)](#)

Data Sheets

[3MTM Scotch-WeldTM Epoxy Potting Compound/Adhesive DP270 \(PDF, 377.2KB\)](#)

Customer Reviews

Reviews

Write a review

Rating Snapshot

Select a row below to filter reviews.

5 ★	<div></div>	0
4 ★	<div></div>	1
3 ★	<div></div>	0
2 ★	<div></div>	0
1 ★	<div></div>	0

Average Customer Ratings

Overall	<div>★★★★★</div>	4.0
Quality of Product	<div></div>	4.0
Value of Product	<div></div>	3.0



★★★★★ ou8abe2 · 2 months ago

Warning Tip change

Warning they have changed their interface with their mixing nozzle. It is no longer the single tube with two sides. It is now two tubes. So get new mixing nozzles when you buy it.

Incentivized Review No

☑ Yes, I recommend this product.

Quality of Product



Value of Product



Helpful?

Yes · 0

No · 0

Report

Large Volume Order

If you are considering a large purchase of this or other 3M Industrial Adhesives and Tape products, our inside sales team is ready to help by providing additional information and options. Our technical expertise, customer support, and global capabilities put us in a unique position to address your biggest challenges, and we'll do our best to prove that we should be your supplier of choice.

All fields are required unless indicated optional

*** First Name**

*** Last Name**

*** Company**

*** Company Address**

*** Contact Phone**

*** Email Address**

*** Country/Region**

Select One



Select One



*** City**

*** Zip Code**

*** Number of Employees**

Select One



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