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Polymorph - 250g

TOL-10950 ROHS ✓

★★★★½ 3

DESCRIPTION   FEATURES   DOCUMENTS

Polymorph is a non-toxic, biodegradable polyester with a low melting temperature of about 60°C (140°F). Prototype plastic parts can be made by simply heating the plastic beads in hot water until they turn clear and then kneading them together and shaping by hand. When it cools it becomes a nylon-like white plastic. Polymorph can be re-used by simply re-heating and re-shaping. Plastic beads are supplied in a heat-sealed plastic bag to prevent spillage during transport.

So what do you do with it? Robotics, small-parts prototyping, arts/crafts, there's almost no end to what you can do with this stuff. We had a blast playing with it here at SparkFun. Try embedding LEDs into it for a cool diffuse glow effect.

Note: Although Polymorph melts at around 60°C (140°F), it is more workable at hotter temperatures, like around 180-200°F.

Weight: 250g

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Polymorph - 250g Product Help and Resources

SUPPORT TIPS   SKILLS NEEDED

Useage tip
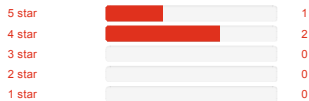
last updated about 9 months ago

Pro tip: "You can make it to any shape you want using anything you want as a mold, just put aluminium foil between the polymorph and the shape. The polymorph won't stick to the aluminum foil."

COMMENTS 34   REVIEWS ★★★★½ 3

Customer Reviews

★★★★½ 4.3 out of 5

Based on 3 ratings:

5 star	████	1
4 star	██████	2
3 star		0
2 star		0
1 star		0

Currently viewing all customer reviews.

★★★★☆ Awesome product !

about 2 years ago by Member #717029 ✓ verified purchaser

I first say the shipping of mu order was really fast, so that was great.

The polymorph is a very unique product. I love the way it so easily converts to other forms.

It is very pliable and easy to work with and mold to other shapes. It maybe sets or solidifies too fast. But then it is just as easy to re-shape it. In a nut shell, I love it. Lots of fun working with it. I would purchase it again if the need arises. Thank you, Janice

★★★★★ The good stuff.

about 2 years ago by Member #688177 ✓ verified purchaser

Easy to work with, easy to clean up, reusable, sturdy. Good for projects that you don't have time to make a good enclosure for.

★★★★☆ Love this stuff

about 2 years ago by michaelh99 ✓ verified purchaser

I've repaired a visor in my car, flash stand, bottle cap and now made some shelf brackets for a cabinet in the kitchen. This stuff is great to play and work with

START SOMETHING.

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In 2003, CU student Nate Seidle blew a power supply in his dorm room and, in lieu of a way to order easy replacements, decided to start his own company. Since then, SparkFun has been committed to sustainably helping our world achieve electronics literacy from our headquarters in Boulder, Colorado.

No matter your vision, SparkFun's products and resources are designed to make the world of electronics more accessible. In addition to over 2,000 open source components and widgets, SparkFun offers curriculum, training and online tutorials designed to help demystify the wonderful world of embedded electronics. We're here to help you start something.

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