



POLY-MOULD®

**FIX THINGS - MAKE THINGS - SCULPT THINGS - MOULD THINGS
THE USES ARE ENDLESS!!!**

POLY-MOULD is an exciting and versatile product that can be used in so many different situations for so many types of products.

- Figurines
- Impressions
- Masks
- Mouldings
- Craft
- Prototypes
- Repairs
- Decorations
- Jewellery
- Tools
- Custom parts
- Handles
- Hooks
- Brackets
- Toys
- And so much more...

WHAT IS POLY-MOULD?

- Biodegradable, lightweight, thermoplastic with a low melting point of 65°C.
- When melted, it can be shaped and moulded by hand.
- Hardens in minutes and sets super strong.
- Reusable - you can re-melt these over and over again.
- Non-toxic, can be used by all ages for all situations including contact with food.
- When set, it can be glued, drilled, carved, sanded and painted.

WHAT DOES POLY-MOULD FEEL/LOOK LIKE?

The closest comparison to POLY-MOULD is Nylon. It has similar characteristics in hand feel and is lightweight, tough, durable and waterproof. Can be used indoors, outdoors and in water. It is not liquid enough to pour into a mould but can be pressed into a mould, similar to clay.

HOW DOES POLY-MOULD SET/CURE?

POLY-MOULD will start to cure in around 5 minutes at room temperature. You can fasten the cure time by placing your design in cold water or placing it in the fridge. The colour will change from translucent, back to original white colour. Depending on the thickness and size of your design, allow adequate curing time for the centre/middle of your design. The outside will be set but the centre/middle may still be soft. If you find that POLY-MOULD is curing and you have not yet finished your design, you can place it in the hot water again, or carefully heat it with a hairdryer or heat gun in the certain areas you are working on.

CAN POLY-MOULD BE COLOURED?

Yes, you can easily transform your creation with paint, ink or dye. If you are wanting to paint your creation from the original base colour (white), we recommend that you use a primer to help seal the plastic and give your paint colours a perfect base to adhere to. POLY-MOULD can easily be coloured as well, by using any form of ink, dye or acrylic paint, as long as it is waterbased. When you remove the melted, translucent plastic from the bowl, mix it a little to get rid of any excess water. This is the stage where you can add your colour. Use coloured markers easily by just drawing the colour on the soft plastic and mix to evenly distribute. Keep adding colour until desired tone is reached. Add dye or paint in the same way but use small amounts as it will want to run off as you mix it in.

HOW DO YOU RE-USE POLY-MOULD?

If you are not happy with your design or the piece has served its purpose it can be re-used and recycled. Simply re-heat it again in water (65°C). Having water greater than 65°C will still work but can cause the plastic to become soft and sticky, making it difficult to handle.

HOW DO YOU STICK POLY-MOULD TO OBJECTS?

POLY-MOULD can adhere or be glued to a variety of materials. It will stick to itself and it also sticks to some other plastics like ABS, acrylic, polycarbonate, polyester, PVC and vinyl. The hotter it is when you apply it the better chance you have of it adhering. It will not stick well to wood, glass, metal, ceramic, porcelain or plastics like nylon, polypropylene, silicone or Teflon. To attach it to any of these materials it will need to cure and then be glued using either CA adhesives, epoxies, plastic glue or hot glue gun. For best adhesion use some coarse sandpaper to roughen up the surface. This will take off some of the slickness of the bonding surface and give the glue something to hold onto. If gluing POLY-MOULD to itself, ICKYSTICKY THICK CA and LIQUID CEMENT are perfect for strong results.

CAUTIONS:

Although POLY-MOULD is safe to use by children (over 3 years old) and adults, all children must be supervised due to small parts and hot water. The water is hot enough to hurt and irritate young, sensitive hands. Remove excess hot water from the melted plastic before handing to children.

Do not expose or store your design in temperatures greater than 60°C as it will start to deform and melt. Examples of this are in a car, in the dishwasher or in an oven/bbq.

DIRECTIONS:

ALTHOUGH SAFE FOR CHILDREN, WE RECOMMEND ADULT SUPERVISION DUE TO SMALL PARTS AND HOT WATER.

1. Fill a glass or metal bowl with hot water, around 62- 65°C, and pour in desired amount of pellets.
2. The pellets will start to melt and transform from white to transparent.
3. Use a metal object (fork or tongs) to mix the pellets together to form a clump. Carefully remove the clump of plastic and shake of any excess water.
4. The plastic is now pliable and can be shaped with your hands. It will start to set in around 5 minutes but can be placed back in hot water to soften again.
5. When happy with your design, let it cool at room temperature. When set it will turn white in colour.
6. Not happy with your design, simply re-melt it in the hot water again.
7. Once set your design will be solid and can be painted, glued, drilled, carved or sanded.

KEEP OUT OF REACH OF CHILDREN. STORE IN A COOL AREA OUT OF SUNLIGHT AND HEAT.



WARNING: CHOKING HAZARD

Small parts not for children under 3 years or any individuals who have a tendency to place inedible objects in their mouths.



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