

Amazing Remelt

1 part Reusable Mold Making Material

Product Description:

Amazing Remelt is a Non Toxic, FDA Compliant, 1 part reusable mold making material for room temperature or low exotherm materials. Amazing Remelt softens at 120°F and becomes liquid at 135°-140°F. It can be remelted and reused to make new molds time and time again. Ideal for making molds for smaller items such as jewelry, embellishments, push molds for polymer clay, resin molds, or food molds such as chocolate, ice, gelatin, and fondant. Remelt complies with FDA standards for contact with food.

Physical Properties:

Color	Red
Mixed Viscosity (cps) – at 130F	800-1,200
Hardness, (ASTM D-2240) Shore A	25
Specific Gravity	1.25
Elongation (in/in)	200%
Softening Point (Degrees F)	120 F
FDA Compliant	Yes

General Properties:

Color	Red
Mix Ratio	1 part
Shelf Life	2 years
Open Time at 75 Degrees F (100g mass)	Heat Activated
Demold Time at 75 Degrees F (100g mass)	Upon Cooling

Packaging:	.625 lb
	1.25 lbs
	2.5 lbs
	7.5 lbs
	45 lbs

Safety: Read complete labels, SDS, and technical data sheet including instructions before using.

Instructions

Keep materials out of the reach of children, do not take internally, and do not use in any way other than it's intended use.

Before Starting

Make sure your work area is appropriate for melting, stirring, and pouring mold making materials as they can and will stain any porous materials such as carpet and clothing.

1. Mold Preparation

Before melting Amazing Remelt and pouring your mold, there are a few things you can do to ensure a good mold.

Thoroughly clean and remove all dirt/contaminates. **Make sure mold box and part are sealed to eliminate the possibility of leakage or Remelt wicking into the part.** Amazing Remelt will leak out of any small cracks in your mold box and it is imperative that you make sure your mold box is sealed prior to pouring. If your mold box does leak, try using clay, tape, or air in a can to quickly cool the material to stop flow. Remember, Amazing Remelt is hot and can burn, therefore it's important to double and triple check that your box is sealed prior to pouring and wear gloves or use a hot pad when handling.

Make sure that your master is fastened securely to your mold base to prevent it from floating.

2. Mold Release

Mold release is required on original/master prior to pouring Amazing Remelt. It is also required when casting replicas. Stoner or Alumilite UMR mold release are suitable for non-food applications. Use non-stick cooking spray for molds being used for food applications. Avoid pouring over porous material in which Amazing Remelt may wick into.

3. Heating Instructions

Remove lid and warm Amazing Remelt to 140°F in an oven, microwave, or double boiler. On average a .625 lb. container should take no more than 2 minutes and the 2.5 lb. no more than 3-4 minutes in the microwave. Gently stir periodically to dissolve any un-melted material. Do not exceed 190°F. Overheating will cause the material to boil and introduce unwanted air bubbles.

4. Pouring

Once the material is completely melted, pour the Amazing Remelt slowly in one corner of your mold box and allow it to flow slowly and naturally around your master. This process allows the Remelt to roll over your master avoiding air entrapment. Avoid pouring directly over or onto your master.

5. Avoiding Air Bubbles

The first step in avoiding excessive air bubbles is to heat it slowly and not boil the Amazing Remelt. Stopping the microwave or removing from heat source every 30-40 seconds and gently stirring Amazing Remelt will help it heat more evenly. Secondly, remember that Amazing Remelt will begin to thicken as it cools, therefore having your mold box ready for pouring is important. Pour Amazing Remelt soon after you verify that it has completely melted. Lastly, gently warming your original and mold box with a hair dryer can help to keep Remelt in the liquid state longer. Pouring into a cold mold box will reduce the materials ability to naturally flow around and over original if the first thing it hits is a cold surface.

6. Casting

Food applications: Amazing Remelt works well with chocolate, fondant, gumpaste, butter, gelatin, water, or any other product that does not produce heat above 130°F. Store resin molds separately from food molds. *Food-grade molds should only be used with food grade casting materials (such as chocolate, sugar, fondant, or butter) to prevent contamination.*

Resin Casting: Casting resins often generate heat as they cure. The larger the mass of casting resin, the more heat or exotherm is created. This heat may cause the Amazing Remelt to soften, distort or even melt. Cooling the mold in the refrigerator prior to casting can slow the reaction time and reduce the amount of heat the curing resin generates allowing you to use the particular resin and keep it under the softening temp of the Amazing Remelt. Many fast casting resins such as the Amazing Casting Resin can be used in small and/or thin castings (beads, buttons, embellishments, etc.) successfully when the mold and resin are refrigerated prior to casting. Longer setting resins such as Amazing Clear Cast do not create as much heat because of the slow cure and therefore can be used to cast items a bit larger, although casting items over ¼ thick can generate enough heat as well to re-melt or deform molds. Pouring in layers can allow you to keep exotherms lower for projects that have thicker areas.

7. Storage & Shelf Life

Store Amazing Remelt in a cool dry place and keep covered. Amazing Remelt can last for years depending on the number of melting cycles it goes through and if new Remelt was added to older material. Molds can be preserved by placing them in plastic storage bags or plastic wrap and placing them in a cool area. Avoid prolonged exposure to sun or heat, including cars, as product can soften, deform, or melt. Store resin molds separately from food molds. Food-grade molds should only be used with food grade casting materials (such as chocolate, sugar, fondant, or butter) to prevent contamination.



8. Work Area & Clean Up

The Amazing Remelt will absorb into porous materials and may stain! Avoid clothing, carpet, upholstery, and any other porous materials which will stain and will not come out. Mold making and casting is best done in a designated work area such as a basement, garage, or hobby room with adequate air movement or ventilation. Cover any surfaces including floors with plastic sheeting, cardboard, or plywood to prevent damage from spilled resin. In some instances, such as spills on non-porous surfaces, it's easier to clean up Amazing Remelt after it has cooled and hardened. Then simply peel away and discard. Amazing Remelt will dissolve in water.

9. Warnings

Melted material is hot and can burn. Be sure your master can withstand the temperature of the Remelt.