

How to turn milk into plastic

YOU WILL NEED

- One cup (or 250ml) of milk
- 4 teaspoons of white vinegar
- A bowl
- A sieve or strainer
- Paper towels
- A saucepan or access to a microwave
- Plastic cookie cutter shapes.

1. First you will need to warm up the milk. You can either do this in a saucepan on a hob, or put it in the microwave for 90 seconds. You want it warm but not boiling.

2. Then stir in 4 tablespoons of white vinegar. Keep stirring for about a minute.



The acid in the vinegar will make the protein in the milk (the casein) clump together.

3. Once the milk has gone all lumpy, pour it into a sieve (do this over a sink or over another bowl) to drain away the excess liquid.



4. The plastic will stay in the sieve. Press it down with a spoon to squeeze out all the liquid.

Transfer the plastic to a paper towel and squeeze out any more liquid.

You can then shape the plastic using your hands or use cookie cutters to cut out shapes or numbers.



You can add scent or colour if you want