

Recipe

Agar bioplastic (simmered) Ag01

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Code: AAGI2

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Image Credit : Anastasia Pistofidou

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Process

Cast, Cooked, Air Dried,

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Difficulty



Tools

Cooker/stove/hotplate, Teaspoon,
Measuring Cup, Cooking pot,

Source

FabTextiles

Composition

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Agar agar

12 grams



Water

400 ml



Glycerol

18 grams

Method

Step one

Mix all of the ingredients together in a pot in the amounts above, and stir.

Step two

Keep mixing until there are no clumps and it is as dispersed as it's gong to get. Then heat the mixture to boiling point, and simmer for 15 - 20min, stirring constantly.

Step three

Scoop out excess froth with a spoon, and make sure there are no clumps. Carefully pour the mixture onto a surface of acrylic or plastic with a frame.

Step four

After 4-5 hours lift and let it dry hanging. How long it takes will depend on the temperature and humidity in the room, and it may take several days (depending on your formulation). You won't be able to remove the plastic from the drying sheet easily until it is completely dry, so be patient! If your first batch turns out too sticky or slimy, you can try it again with slightly less plasticizer.

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