

BIOCOMPOSITE

AGAR COMPOSITE



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RENEWABLE - VEGAN - COMPOSTABLE
MADE OF BY-PRODUCT OR WASTE, REUSABLE

INGREDIENTS & TOOLS:

- Agar - 5 g (polymer)
- Glycerine - 15 g (plasticizer)
- Water - 250 ml/g (solvent)
- A piece of linen large enough to fit over the mold

Tools: cooker, pot, spoon, scale, mold
blender

THIS IS A VARIATION ON:

Agar Composite by Cecilia Raspanti

Used Raspanti's agar recipe to create a linen-agar based composite using a CNC milled foam mold.

MAKING PROCEDURE:

- Weigh the ingredients
- Prepare the casting surface
- Bring water to the boil, add agar and glycerine. Stir to dissolve.
- Simmer at 80 degrees Celcius until thick as syrup
- Dip the textile in the agar, squeeze out excess and lay on the mold, press two sides of the mold together with clamps
- Let dry completely

Suitable for home composting.
Agar can be removed from linen by washing in hot water. Left over agar can be reheated and recast.