*Questions with an \* are mandatory*

## RECIPE

### Title (max 4 words)\*

[Free text]

### Image(s) of final product (max 3)

*Image guidelines: all images should be of the object on a white background. The detail image is a close-up view of a detail. The overview image should show the object in its entirety with a frame of white background enclosing it. Crop off edges if necessary. All images should be landscape format.*

Overview image: File\*

Image credit\*: [name], [year]

Detail images: File\*

Image credit\*: [name], [year]

+ add another image

Choose thumbnail (from uploaded images)\*

>> crop thumbnail

### Description\*

*Describe the material in max 150 words*

[Free text]

### Physical form (of sample)\*

*Select one:*

Surfaces & Surface Treatments | Solids | Strings, Pipes & Tubes | Grains & Powders | Pastes, gels & liquids

### Fabrication time

Preparation time: [number 0-24] Hours\*

Processing time: [number 0-99] [select unit days/weeks]\*

Need attention: every [number][select unit: hours/days] to [free text] describe activity e.g. stir, turn, etc]

Final form achieved after [number 0-99] [select unit days/weeks]\*

### Ingredients

\**NOTE: you can only select ingredients that are already in the archive. If you are adding a new ingredient, please add a new ingredient entry before adding a new recipe\**

Ingredient 1: [select from existing in dropdown]\*

Amount: [number] in [select unit from dropdown]\*

Function: [free text, e.g. plasticizer, colorant, preservative, other]

Is this ingredient optional?\* Yes/No

Ingredient 2: [select from existing in dropdown]\*

Amount: [number] in [select unit from dropdown]\*

Function: [free text, e.g. plasticizer, colorant, preservative, other]

Is this ingredient optional?\* Yes/No

+ add another ingredient

### Tools\*

Tool 1: [Free text]

Is this tool optional? Yes/No

Tool 2: [Free text]

Is this tool optional? Yes/No

Tool 3: [Free text]

Is this tool optional? Yes/No

+ add another tool

### Yield before processing/drying/curing\*

[number] in [select unit from dropdown]

### Method\*

*Describe method of preparing the material*

Step 1:

[Free text]

Step 2:

[Free text]

Step 3:

[Free text]

+ add another step

### Details on drying/curing/growth process\*

*Describe the setup, including details of mold and tools used (e.g. press, breathers, other) and other details pertaining to the process.*

[Free text]

Mold depth (surfaces and solids) or diameter (strings): [number] mm

Shrinkage thickness [number] %

Shrinkage width/length [number] %

Describe shrinkage and deformation behavior and how this may be controlled

[Free text]

Curing agents and release agents used:

[Free text]

Minimum wait time before releasing from mold: [number] [select hours/days]\*

Needs further research?\* Yes/No

Post-processing\*

*Describe the process of applying softeners, keeping it pressed after mold release, how to store and expiry information etc*

[Free text]

Needs further research?\* Yes/No

### Process pictures (max 5, include image of mold/pressing/drying setup)\*

*Image guidelines: images should be landscape format and sharp. Please provide captions so the viewer can understand the elements of the setup.*

File\* [upload…]

Image caption\*:

Image credit\*:

+ add another image

### Variations on this recipe

*Which variations can be made with the same recipe? Mention other physical forms, additives etcetera*

[Free text]

## CULTURAL & ECOLOGICAL INFORMATION

### Where are the ingredients locally abundant?

*Describe regions or areas that have e.g. lakes, a fishing industry, palm trees*

[Free text]

Needs further research?\* Yes/No

### What are the cultural origins of this recipe?\*

*Describe known cultural heritage tradition(s) that are being drawn from as well as communities who made significant contributions to its development*

[Free text, max 250 words]

Needs further research?\* Yes/No

### Which other recipes does this contribution draw from?\*

Name [free text]

Institution [free text]

Publication name or channel [free text]

Year [number YYYY]

URL [free text]

+ add another reference

### Known concerns and contestations\*

Yes/No/Needs further research

If yes, describe known concerns and issues with this recipe/technique\*:

[insert free text]

[insert URL or reference]

### Sustainability tags[[1]](#footnote-1)

Renewable ingredients[[2]](#footnote-2) yes/no/needs further research\*

Vegan yes/no/needs further research\*

Made of by-products or waste yes/no/needs further research\*

Biocompostable final product yes/no/needs further research\*

Biodegradable final product yes/no/needs further research\*

*Required infrastructure to degrade/recycle (mechanically/chemically)*

[insert free text]

Needs further research?\* yes/no

## MATERIAL PROPERTIES

### Comparative qualities\*

*What other common material might this sample be compared to? Describe how it is similar and how it is different (max 150 words).*

[Insert free text]

### Technical and sensory properties[[3]](#footnote-3)

Strength fragile/medium/strong/variable\*

Hardness rigid/resilient/flexible/variable\*

Transparency opaque/translucent/transparent/variable\*

Glossiness glossy/matt/satin/variable\*

Weight light/medium/heavy\*

Structure closed/open/variable\*

Texture rough/medium/smooth/variable\*

Temperature cool/medium/warm/variable\*

Shape memory low/medium/high/variable\*

Odor none/moderate/strong/variable\*

Stickiness low/medium/high/variable\*

Weather resistance poor/medium/high/needs further research\*

Acoustic properties absorbing/reflecting/needs further research\*

Anti-bacterial yes/no/needs further research\*

Non-allergenic yes/no/needs further research\*

Electrical properties yes/no/needs further research\*

Heat resistance low/medium/high/needs further research\*

Water resistance low/water resistant/waterproof/needs further research\*

Chemical resistance low/medium/high/needs further research\*

Scratch resistance poor/moderate/high/needs further research\*

Surface friction sliding/medium/braking/variable

### Tactility & sound impression\*

*Provide a video where you move the material, bend it, knock it, stretch it, squeeze it*

[insert URL]

## ABOUT THIS ENTRY

### Maker(s) of this sample

Name: [Insert]\*

Affiliation: [Insert]

Location: [Insert city, country]\*

Date: start date [DD-MM-YYYY] – end date [DD-MM-YYYY]\*

+ add another maker

### Environmental conditions

Humidity: [number minimum] – [number maximum] %\*

Outside temp: [number minimum] – [number maximum] degrees Celcius

Room temp: [number minimum] – [number maximum] degrees Celcius\*

PH tap water: [number 1-14]\*

### Recipe validation

Has recipe been validated? Yes/No\*

*If yes, please state details*

Name: [free text]

Affiliation: [free text]

Date: [DD-MM-YYYY]

### Estimated cost (consumables) in local currency

*Cost should include. the use of disposables, e.g. gloves*

[number] [currency]

for a yield of [number][unit]

### Local supplier/sourcing info

*Describe where ingredients can best be bought/sourced*

[free text]

## COPYRIGHT INFORMATION

### This recipe is in the public domain (CC0)

Yes/No/Needs further research\*

### This recipe was previously published by someone else

Yes/No/Needs further research\*

*If yes, please refer to the original:*

[insert free text (including name and/or institution, year, URL)]

*If no, please state that you agree to publish this recipe under a Creative Commons Attribution Share Alike (CC BY-SA 2.0) license[[4]](#footnote-4):*

By submitting this recipe I agree to publish it under a CC BY-SA 2.0 Creative Commons license. Please mention to these details for attributions:

Name [free text]

Affiliation [free text]

Year [number YYYY]

URL [free text]

1. All recipes in this archive are always: *open-source, bio-compostable and renewable* [↑](#footnote-ref-1)
2. See also “Renewable & Unrenewable Resources” on *Sciencing*: https://sciencing.com/renewable-nonrenewable-materials-5258188.html [↑](#footnote-ref-2)
3. Based on technical property categories used in the *Material District* archive https://materialdistrict.com/material, and the sensory descriptors categories proposed in: Lerma, Beatrice (2010). Materials ecoefficiency and perception. *Proceedings: CESB 2010 Prague - Central Europe towards Sustainable Building 'From Theory to Practice'*: pp. 1-8. [↑](#footnote-ref-3)
4. https://creativecommons.org/licenses/by-sa/2.0/ [↑](#footnote-ref-4)