

# RECIPE 01

## Ingredient List



7 Table spoons  
water



1 Table spoon  
Corn starch



2/3 tea spoon  
glycerin



2/3 tea spoon  
vinegar

## Preperation Steps



Combine the  
ingredients together



Put the ingeriednts  
over boiling water  
and stir



Continue unitl the  
mixture is thick, then  
pour over non stick  
paper



After 30 hours of  
drying peel the  
bioplastic

## Material Assessments

hard	<div><div></div><div></div><div></div><div></div><div></div></div>	soft
smooth	<div><div></div><div></div><div></div><div></div><div></div></div>	rough
matte	<div><div></div><div></div><div></div><div></div><div></div></div>	glossy
elastic	<div><div></div><div></div><div></div><div></div><div></div></div>	not elastic
strong	<div><div></div><div></div><div></div><div></div><div></div></div>	weak

opaque	<div><div></div><div></div><div></div><div></div><div></div></div>	transparent
tough	<div><div></div><div></div><div></div><div></div><div></div></div>	ductile
light	<div><div></div><div></div><div></div><div></div><div></div></div>	heavy
fibred	<div><div></div><div></div><div></div><div></div><div></div></div>	not-fibred

## Forming Technique

## References

<https://www.youtube.com/watch?v=Uaz9Qvadyio>







# RECIPE 02

## Ingredient List



33.3 grams  
water



11 grams  
gelatine



1.3 grams  
glycerin



16.6 grams  
vinegar



4.5 grams sodium  
bicarbonate



## Preparation Steps



Combine the water,  
gelatine, glycerin and  
vinegar together



Stir on low heat until  
the mixture becomes  
thick in consistency



Remove the heat  
then add the sodium  
bicarbonate



After 24 hours of  
drying peel the  
bioplastic

## Material Assessments

hard	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	soft
smooth	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	rough
matte	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	glossy
elastic	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	not elastic
strong	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	weak

opaque	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	transparent
tough	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	ductile
light	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	heavy
fibred	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	not-fibred

## Forming Technique

## References

<http://www.materialiom.org/recipe/694>







## RECIPE 03

### Ingredient List



60 ml water



12 ml gelatine



7.2 grams glycerin



Paprika powder to add color

### Preperation Steps



Heat the paprika with 20ml water until the dye is released, then put aside



Melt the gelatine in 40 ml of water



Combine the two mixtures and heat until it boils



Spread on non-stick paper, then leave to dry for 24 hours.

### Material Assessments

hard	<div><div></div><div></div><div></div><div></div><div></div></div>	soft	<div><div></div><div></div><div></div><div></div><div></div></div>
smooth	<div><div></div><div></div><div></div><div></div><div></div></div>	rough	<div><div></div><div></div><div></div><div></div><div></div></div>
matte	<div><div></div><div></div><div></div><div></div><div></div></div>	glossy	<div><div></div><div></div><div></div><div></div><div></div></div>
elastic	<div><div></div><div></div><div></div><div></div><div></div></div>	not elastic	<div><div></div><div></div><div></div><div></div><div></div></div>
strong	<div><div></div><div></div><div></div><div></div><div></div></div>	weak	<div><div></div><div></div><div></div><div></div><div></div></div>

opaque	<div><div></div><div></div><div></div><div></div><div></div></div>	transparent	<div><div></div><div></div><div></div><div></div><div></div></div>
tough	<div><div></div><div></div><div></div><div></div><div></div></div>	ductile	<div><div></div><div></div><div></div><div></div><div></div></div>
light	<div><div></div><div></div><div></div><div></div><div></div></div>	heavy	<div><div></div><div></div><div></div><div></div><div></div></div>
fibred	<div><div></div><div></div><div></div><div></div><div></div></div>	not-fibred	<div><div></div><div></div><div></div><div></div><div></div></div>

### Forming Technique

### References

<https://vt.tiktok.com/ZS8Tvdmmn/>







# RECIPE 04

## Ingredient List



33.3 grams  
water



10 grams  
gelatine



0.55 grams  
glycerin



15 grams  
vinegar



4.5 grams sodium  
bicarbonate



## Preparation Steps



Combine the water,  
gelatine, glycerin and  
vinegar together



Stir on low heat until  
the mixture becomes  
thick in consistency



Remove the heat  
then add the sodium  
bicarbonate



After 24 hours of  
drying peel the  
bioplastic

## Material Assessments

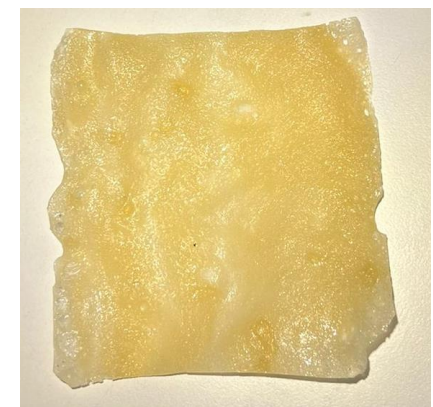
hard	<div><div></div><div></div><div></div><div></div><div></div></div>	soft
smooth	<div><div></div><div></div><div></div><div></div><div></div></div>	rough
matte	<div><div></div><div></div><div></div><div></div><div></div></div>	glossy
elastic	<div><div></div><div></div><div></div><div></div><div></div></div>	not elastic
strong	<div><div></div><div></div><div></div><div></div><div></div></div>	weak

opaque	<div><div></div><div></div><div></div><div></div><div></div></div>	transparent
tough	<div><div></div><div></div><div></div><div></div><div></div></div>	ductile
light	<div><div></div><div></div><div></div><div></div><div></div></div>	heavy
fibred	<div><div></div><div></div><div></div><div></div><div></div></div>	not-fibred

## Forming Technique

## References

<http://www.materialiom.org/recipe/694>







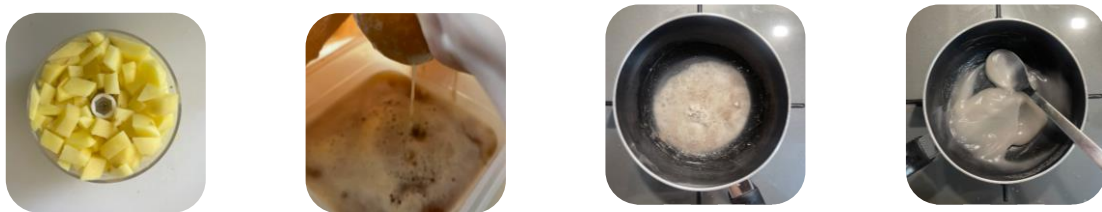
# RECIPE 05

## Ingredient List



- 7 table spoons water
- 1 table spoon potato starch
- 2/3 tea spoon of glycerin
- 2/3 tea spoon of vinegar

## Preperation Steps



- Start creating your potato starch by grinding potatoes with water
- Strain the potatoes then put aside until the starch settles at the bottom
- Combine the starch with the other ingredients and stir on medium heat
- When the mixture is thick then spread on wax paper and leave for 24 hours

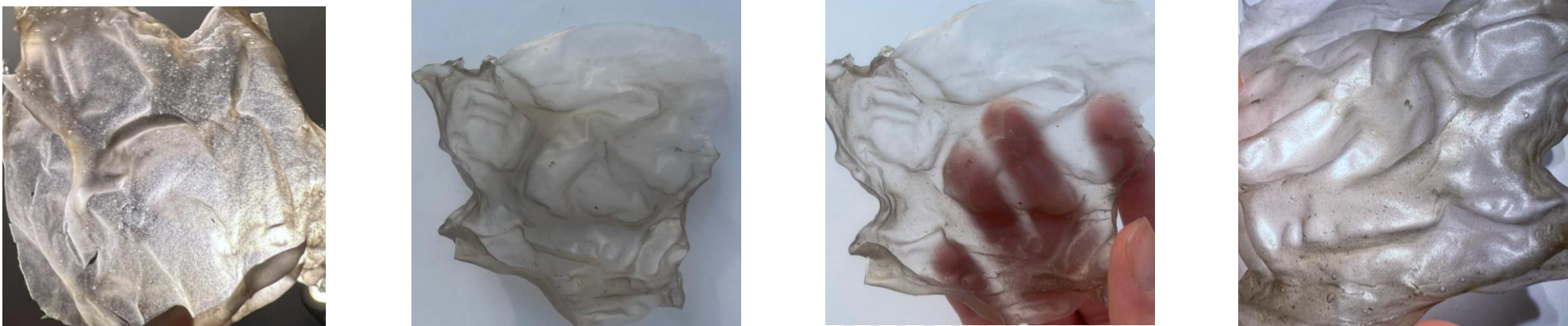
## Material Assessments

hard	<div><div></div><div></div><div></div><div></div><div></div></div>	soft	<div><div></div><div></div><div></div><div></div><div></div></div>
smooth	<div><div></div><div></div><div></div><div></div><div></div></div>	rough	<div><div></div><div></div><div></div><div></div><div></div></div>
matte	<div><div></div><div></div><div></div><div></div><div></div></div>	glossy	<div><div></div><div></div><div></div><div></div><div></div></div>
elastic	<div><div></div><div></div><div></div><div></div><div></div></div>	not elastic	<div><div></div><div></div><div></div><div></div><div></div></div>
strong	<div><div></div><div></div><div></div><div></div><div></div></div>	weak	<div><div></div><div></div><div></div><div></div><div></div></div>
opaque	<div><div></div><div></div><div></div><div></div><div></div></div>	transparent	<div><div></div><div></div><div></div><div></div><div></div></div>
tough	<div><div></div><div></div><div></div><div></div><div></div></div>	ductile	<div><div></div><div></div><div></div><div></div><div></div></div>
light	<div><div></div><div></div><div></div><div></div><div></div></div>	heavy	<div><div></div><div></div><div></div><div></div><div></div></div>
fibred	<div><div></div><div></div><div></div><div></div><div></div></div>	not-fibred	<div><div></div><div></div><div></div><div></div><div></div></div>

## Forming Technique

## References

<https://www.youtube.com/watch?v=Uaz9Qvadyio>







# RECIPE 06

## Ingredient List



7 table spoons  
water



Table spoon  
Corn starch



2/3 tea spoon  
glycerin



2/3 tea spoon  
vinegar



20 grams of  
mushroom



1 Table spoon  
hibiscus



## Preperation Steps



Boil the hibiscus to  
create dye



Grind the  
mushrooms



Combine the  
ingredients and put  
on medium heat unit  
it becomes thick



Spread the mixture  
on wax paper and  
leave to fry for 24  
hours

## Material Assessments

hard	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	soft	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
smooth	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	rough	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
matte	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	glossy	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
elastic	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	not elastic	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
strong	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	weak	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

opaque	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	transparent	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
tough	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	ductile	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
light	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	heavy	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
fibred	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	not-fibred	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

## Forming Technique

## References

<https://www.youtube.com/watch?v=Uaz9Qvadyio>

