



RECIPE 01

Ingredient List

- 

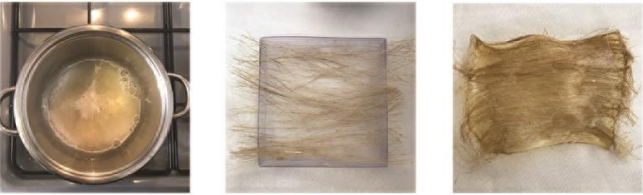
Water
50 ml
- 

Gelatine
15 grams
- 

Glycerol
2 grams
- 

Linen
3 grams

Preperation Steps

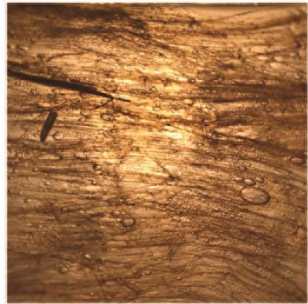
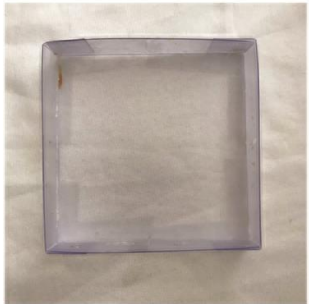


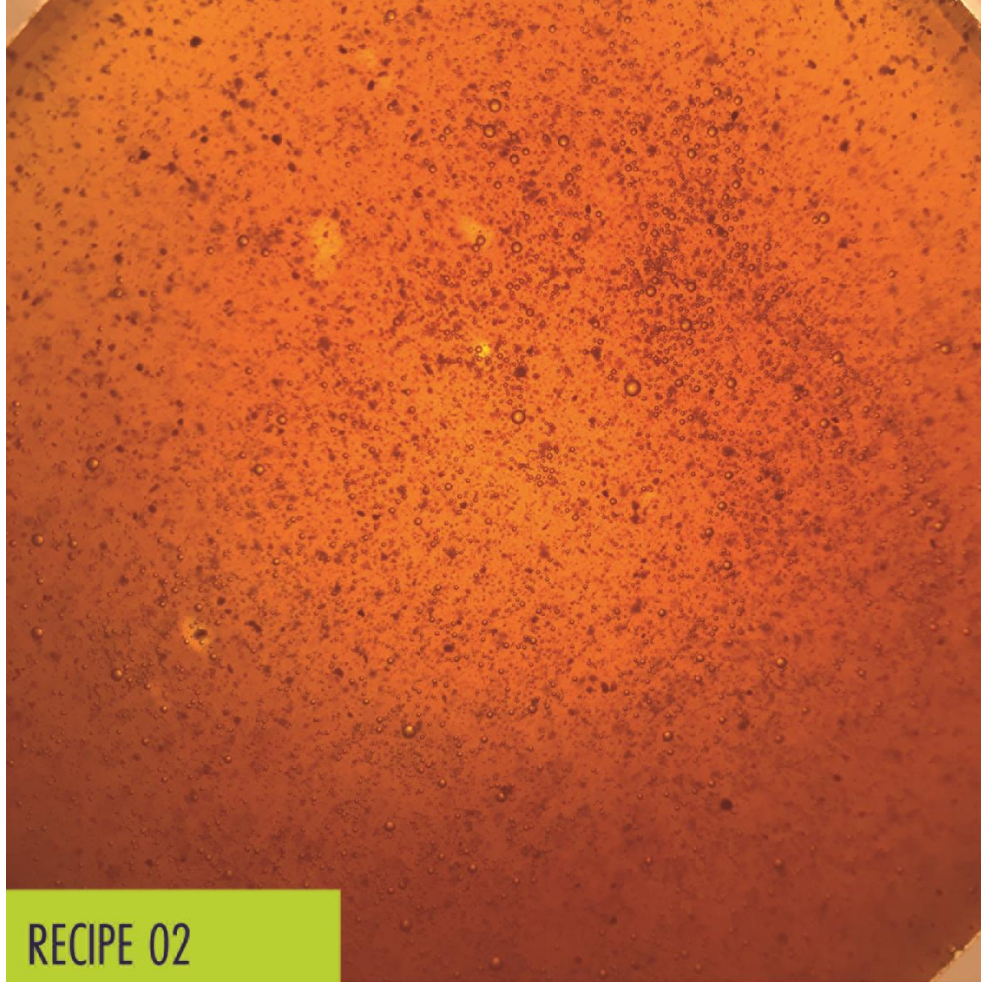
Material Assessments

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

Forming Technique

References





RECIPE 02

Ingredient List



Water
50 ml

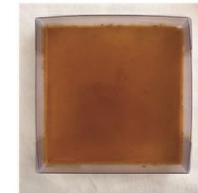


Gelatine
15 grams



Turmeric Powder
5 grams

Preperation Steps

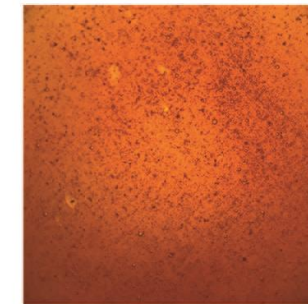
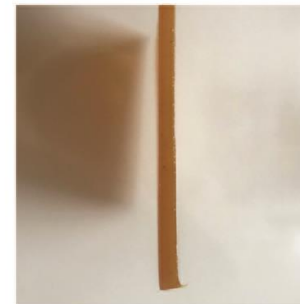
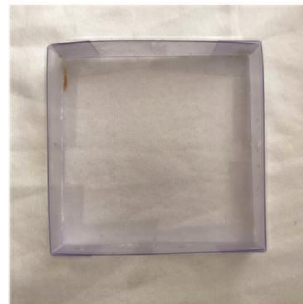


Material Assessments

hard	☐ ☒ ☐ ☐ ☐	soft	☐ ☐ ☒ ☐ ☐	opaque	☐ ☐ ☒ ☐ ☐	transparent	☐ ☐ ☐ ☒ ☐
smooth	☐ ☒ ☐ ☐ ☐	rough	☐ ☐ ☐ ☒ ☐	tough	☐ ☒ ☐ ☐ ☐	ductile	☐ ☐ ☐ ☒ ☐
matte	☐ ☐ ☒ ☐ ☐	glossy	☐ ☐ ☐ ☒ ☐	light	☐ ☒ ☐ ☐ ☐	heavy	☐ ☐ ☐ ☐ ☒
elastic	☐ ☐ ☒ ☐ ☐	not elastic	☐ ☐ ☐ ☒ ☐	fibred	☐ ☐ ☐ ☐ ☒	not-fibred	☐ ☐ ☐ ☒ ☐
strong	☒ ☐ ☐ ☐ ☐	weak	☐ ☐ ☐ ☒ ☐				

Forming Technique

References

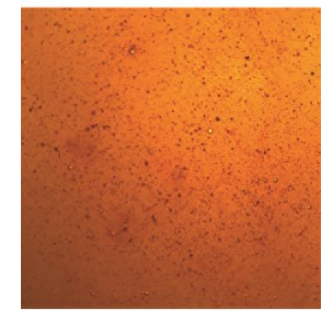
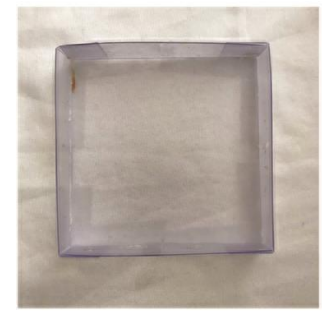




RECIPE 03

Forming Technique

References



Ingredient List



Water
50 ml



Gelatine
7.5 grams

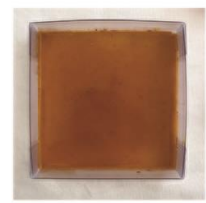


Glycerol
2 grams



Turmeric Powder
5 grams

Preperation Steps



Material Assessments

hard	☐ ☐ ☐ ☒ ☐	soft	opaque	☐ ☐ ☒ ☐ ☐	transparent
smooth	☒ ☐ ☐ ☐ ☐	rough	tough	☐ ☒ ☐ ☐ ☐	ductile
matte	☐ ☐ ☒ ☐ ☐	glossy	light	☒ ☐ ☐ ☐ ☐	heavy
elastic	☒ ☐ ☐ ☐ ☐	not elastic	fibred	☐ ☐ ☐ ☒ ☐	not-fibred
strong	☒ ☐ ☐ ☐ ☐	weak			



RECIPE 04

Ingredient List



Water
400 ml



Cornstarch
40 grams



Oak Sawdust
150 grams



Coffee Grounds
50 grams

Preperation Steps



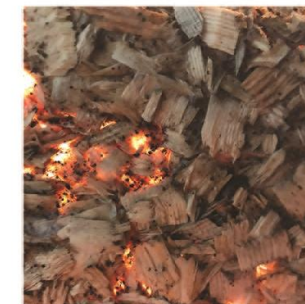
Material Assessments

hard	☐ ☒ ☐ ☐ ☐	soft
smooth	☐ ☐ ☐ ☒ ☐	rough
matte	☒ ☐ ☐ ☐ ☐	glossy
elastic	☐ ☐ ☐ ☒ ☐	not elastic
strong	☐ ☒ ☐ ☐ ☐	weak

opaque	☒ ☐ ☐ ☐ ☐	transparent
tough	☒ ☐ ☐ ☐ ☐	ductile
light	☒ ☐ ☐ ☐ ☐	heavy
fibred	☒ ☐ ☐ ☐ ☐	not-fibred

Forming Technique

References





RECIPE 05

Ingredient List



Water
180 ml

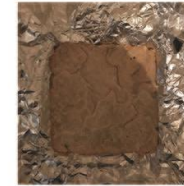
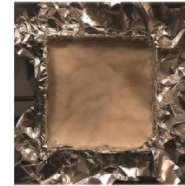


Cornstarch
112 grams



Sodium Bicarbonate
225 grams

Preparation Steps

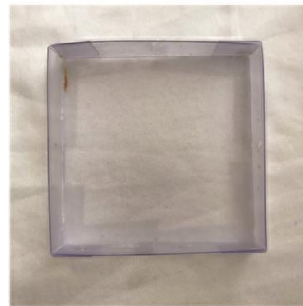


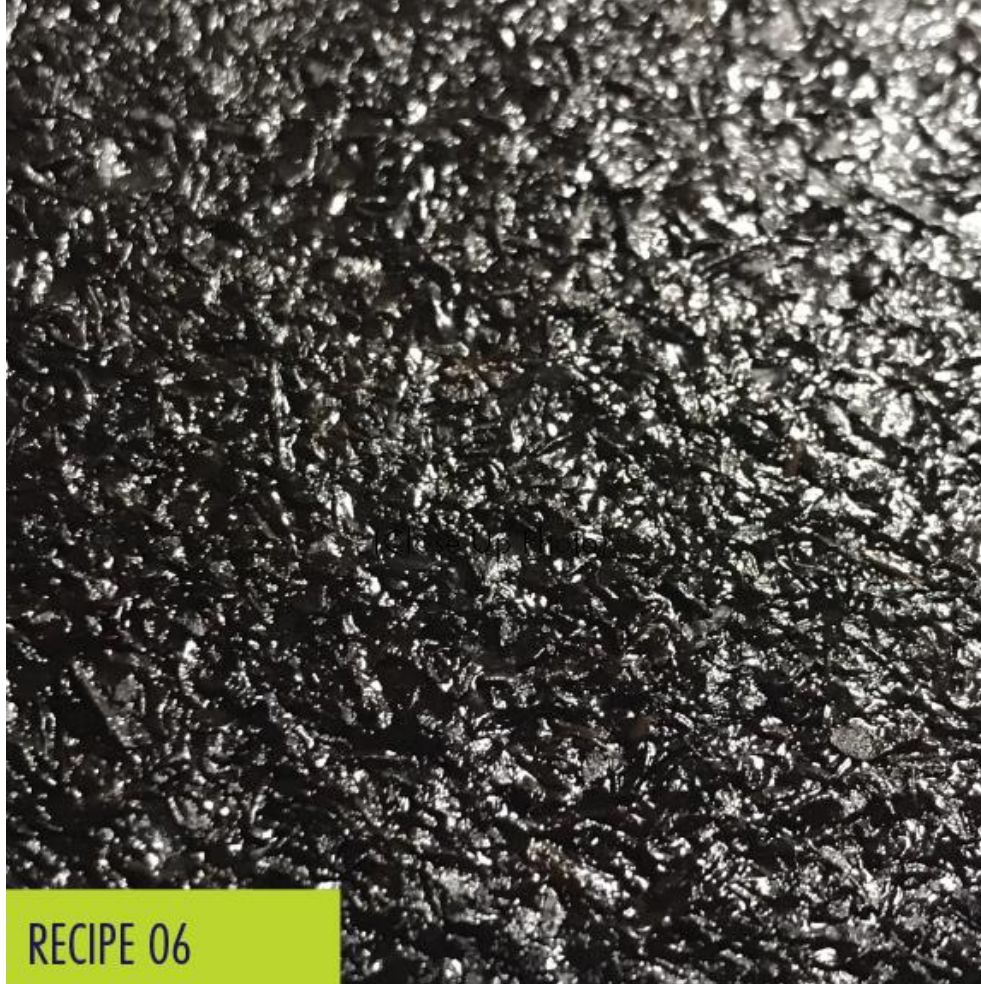
Material Assessments

hard	☒ ☐ ☐ ☐ ☐	soft	☐ ☐ ☐ ☐ ☐	opaque	☒ ☐ ☐ ☐ ☐	transparent	☐ ☐ ☐ ☐ ☐
smooth	☐ ☐ ☐ ☒ ☐	rough	☐ ☐ ☐ ☐ ☐	tough	☒ ☐ ☐ ☐ ☐	ductile	☐ ☐ ☐ ☐ ☐
matte	☒ ☐ ☐ ☐ ☐	glossy	☐ ☐ ☐ ☐ ☐	light	☐ ☐ ☐ ☒ ☐	heavy	☐ ☐ ☐ ☐ ☐
elastic	☐ ☐ ☐ ☐ ☒	not elastic	☐ ☐ ☐ ☐ ☐	fibred	☐ ☐ ☐ ☒ ☐	not-fibred	☐ ☐ ☐ ☐ ☐
strong	☒ ☐ ☐ ☐ ☐	weak	☐ ☐ ☐ ☐ ☐				

Forming Technique

References





RECIPE 06

Ingredient List



Water
180 ml



Glycerol
5g



Gelatin
36g



Tea ground (black)
30g

Preperation Steps



Material Assessments

hard	☐	☐	☐	☐	soft				
smooth	☐	☐	☐	☐	rough				
matte	☐	☐	☐	☐	glossy				
elastic	☐	☐	☐	☐	not elastic				
strong	☐	☐	☐	☐	weak				
opaque	☐	☐	☐	☐	transparent				
tough	☐	☐	☐	☐	ductile				
light	☐	☐	☐	☐	heavy				
fibred	☐	☐	☐	☐	not-fibred				

Forming Technique

References





RECIPE 07

Ingredient List



Water
180 ml



Glycerol
5g

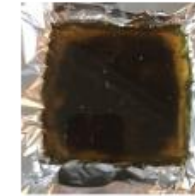


Gelatin
36g



Tea ground (green)
30g

Preperation Steps



Material Assessments

hard ☐ ☐ ☐ ☒ ☐

soft

smooth ☒ ☐ ☐ ☐ ☐

rough

matte ☐ ☒ ☐ ☐ ☐

glossy

elastic ☒ ☐ ☐ ☐ ☐

not elastic

strong ☐ ☐ ☐ ☒ ☐

weak

opaque ☐ ☐ ☒ ☐ ☐

transparent

tough ☐ ☒ ☐ ☐ ☐

ductile

light ☒ ☐ ☐ ☐ ☐

heavy

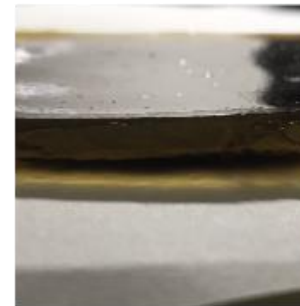
fibred ☐ ☐ ☐ ☒ ☐

not-fibred

Forming Technique



References





RECIPE 08

Ingredient List



Water
100 ml



Aloe Vera
5g



Gelatin
36g



Turmeric powder
30g

Preperation Steps



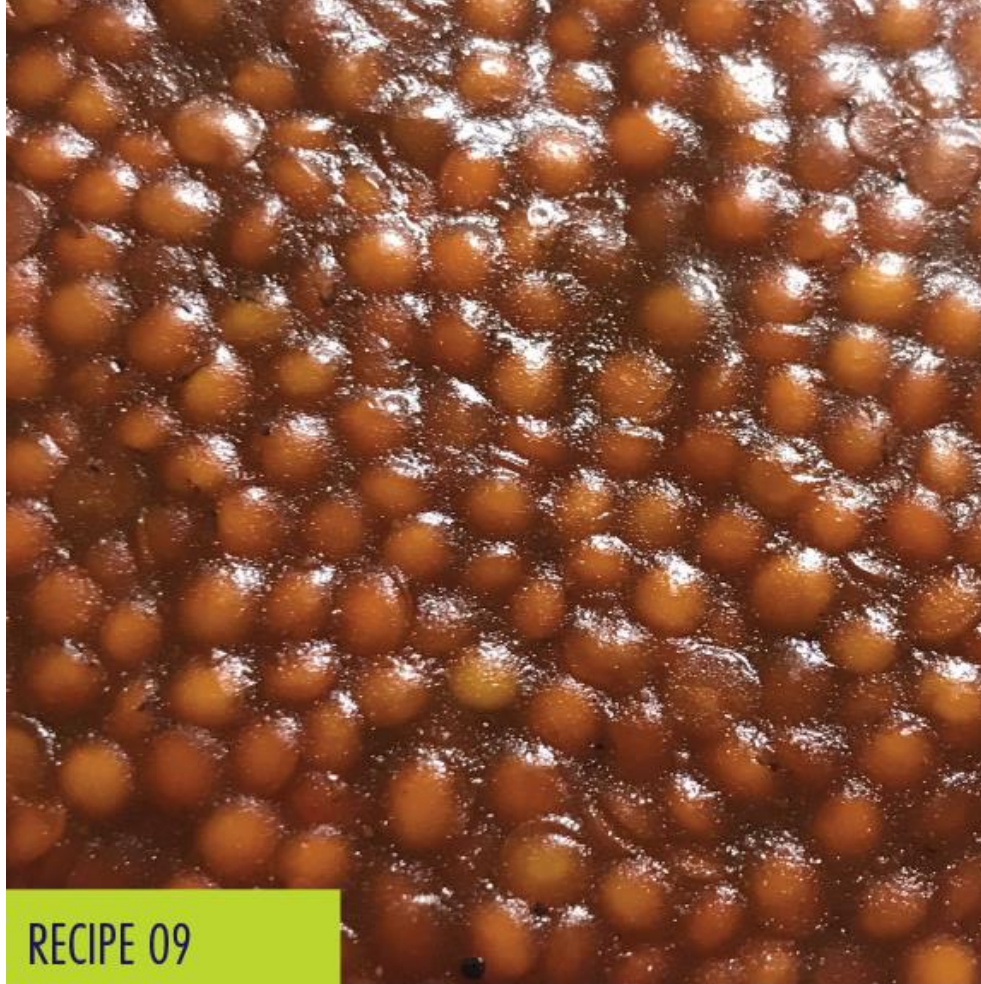
Material Assessments

hard	☐ ☐ ☐ ☒ ☐	soft	☐ ☒ ☐ ☐ ☐	opaque	☐ ☒ ☐ ☐ ☐	transparent	☐ ☐ ☐ ☐ ☐
smooth	☐ ☒ ☐ ☐ ☐	rough	☐ ☐ ☐ ☐ ☐	tough	☐ ☐ ☒ ☐ ☐	ductile	☐ ☐ ☐ ☐ ☐
matte	☐ ☐ ☐ ☒ ☐	glossy	☐ ☐ ☐ ☐ ☐	light	☐ ☒ ☐ ☐ ☐	heavy	☐ ☐ ☐ ☐ ☐
elastic	☐ ☒ ☐ ☐ ☐	not elastic	☐ ☐ ☐ ☐ ☐	fibred	☐ ☐ ☐ ☐ ☒	not-fibred	☐ ☐ ☐ ☐ ☐
strong	☐ ☐ ☒ ☐ ☐	weak	☐ ☐ ☐ ☐ ☐				

Forming Technique

References





RECIPE 09

Ingredient List



Water
100 ml



Glycerol
5g



Gelatin
36g



Turmeric powder
30g



Lentil(red)
30g

Preparation Steps



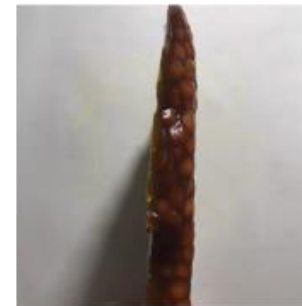
Material Assessments

hard	☐ ☐ ☐ ☐ ☐	soft
smooth	☐ ☐ ☐ ☐ ☐	rough
matte	☐ ☐ ☐ ☐ ☐	glossy
elastic	☐ ☐ ☐ ☐ ☐	not elastic
strong	☐ ☐ ☐ ☐ ☐	weak

opaque	☐ ☐ ☐ ☐ ☐	transparent
tough	☐ ☐ ☐ ☐ ☐	ductile
light	☐ ☐ ☐ ☐ ☐	heavy
fibred	☐ ☐ ☐ ☐ ☐	not-fibred

Forming Technique

References





RECIPE 10

Ingredient List



Water
100 ml



Glycerol
5g



Cornstarch
11g



Cherry stalk
5g

Preparation Steps



Material Assessments

hard	☐ ☐ ☐ ☒ ☐	soft
smooth	☐ ☒ ☐ ☐ ☐	rough
matte	☐ ☐ ☒ ☐ ☐	glossy
elastic	☐ ☒ ☐ ☐ ☐	not elastic
strong	☐ ☐ ☐ ☐ ☒	weak

opaque	☐ ☒ ☐ ☐ ☐	transparent
tough	☐ ☒ ☐ ☐ ☐	ductile
light	☐ ☒ ☐ ☐ ☐	heavy
fibred	☐ ☐ ☐ ☐ ☒	not-fibred

Forming Technique



References



Resources

- <https://www.nature.com/articles/s41598-021-93094-y>
- <https://www.researchgate.net/publication/356605332> The Physical and Mechanical Properties of Corn-based Bioplastic Films with Different Starch and Glycerol Content