

Assignment 04

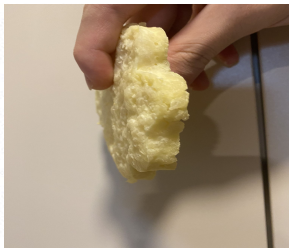
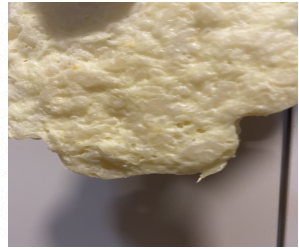
Efe Oal



RECIPE 01

Forming Technique
Molding
References

<http://www.materiom.org/>



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Inredient List



Shrimp crackers



Min 6g Corn starch



60ml water



10g Orange juice



QR CODE

Preperation Steps



Place the shrimp crackers in a pot over boiling water



Add corn starch and mix for 3-5 minutes



Add orange juice and continue mixing for 3-5 minutes

Pour into mould and place in fridge

Material Assessments

- hard
- smooth
- matte
- elastic
- strong

- soft
- rough
- glossy
- not elastic
- weak

- opaque
- tough
- light
- fibred

- transparent
- ductile
- heavy
- not-fibred



RECIPE 02

Ingredient List



10g
Turmeric



13.6g Baking
powder



100g
Water



33g
Gelatin



50g Vinegar

+ 4g Glycerin

QR CODE

Preparation Steps



Boil turmeric and water until it reaches the desired color



Add vinegar, gelatin and glycerin in this order and mix until mixture thickens



Add baking powder and mix, it will become fluffy



Pour on a flat mould, tray

Material Assessments

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

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

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Ingredient List



6g Glycerin



Blue raspberry
syrup



60ml Water



6g Gelatin

Preperation Steps

Add water +
glycerine in
pot

Add raspberry
syrup and turn
the heat on

Add gelatin
and mix for
3-5 minutes

Pour into flat
mould, tray

Material Assessments

hard	<input checked="" type="checkbox"/>	soft	<input type="checkbox"/>
smooth	<input checked="" type="checkbox"/>	rough	<input type="checkbox"/>
matte	<input checked="" type="checkbox"/>	glossy	<input type="checkbox"/>
elastic	<input type="checkbox"/>	not elastic	<input type="checkbox"/>
strong	<input checked="" type="checkbox"/>	weak	<input type="checkbox"/>
opaque	<input checked="" type="checkbox"/>	transparent	<input type="checkbox"/>
tough	<input checked="" type="checkbox"/>	ductile	<input type="checkbox"/>
light	<input type="checkbox"/>	heavy	<input type="checkbox"/>
fibred	<input checked="" type="checkbox"/>	not-fibred	<input type="checkbox"/>

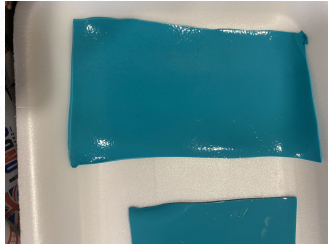
RECIPE 03

Forming Technique

Pour on a tray

References

https://naturelab.risd.edu/discover/biomaterials-you-can-make-at-home/?mc_cid=af61d94ee18mc_eid=1a40f63cf1





RECIPE 04

Ingredient List



Semolina



Poppy seeds



25g corn starch



22,5ml water

Together total 125g

Preparation Steps

Add your own mixture of poppy seeds and semolina with the starch and mix in a bowl

Add water to the mixture and mix

Place the mixture into a mold

Place in fridge and let it freeze

Material Assessments

- hard
- smooth
- matte
- elastic
- strong

- soft
- rough
- glossy
- not elastic
- weak

- opaque
- tough
- light
- fibred

- transparent
- ductile
- heavy
- not-fibred

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RECIPE 05

Ingredient List



30g of orange skin
and dry apricot



5g Glycerin



10,5g corn
starch



56ml water

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Preparation Steps

Fully dry out the
fruit skin and
dry apricots

Add fruit skin, corn
starch and glycerin
into pot with
medium heat

In slow
intervals add
the water to
the mixture

Pour on a flat
mold, tray

Material Assessments

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

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

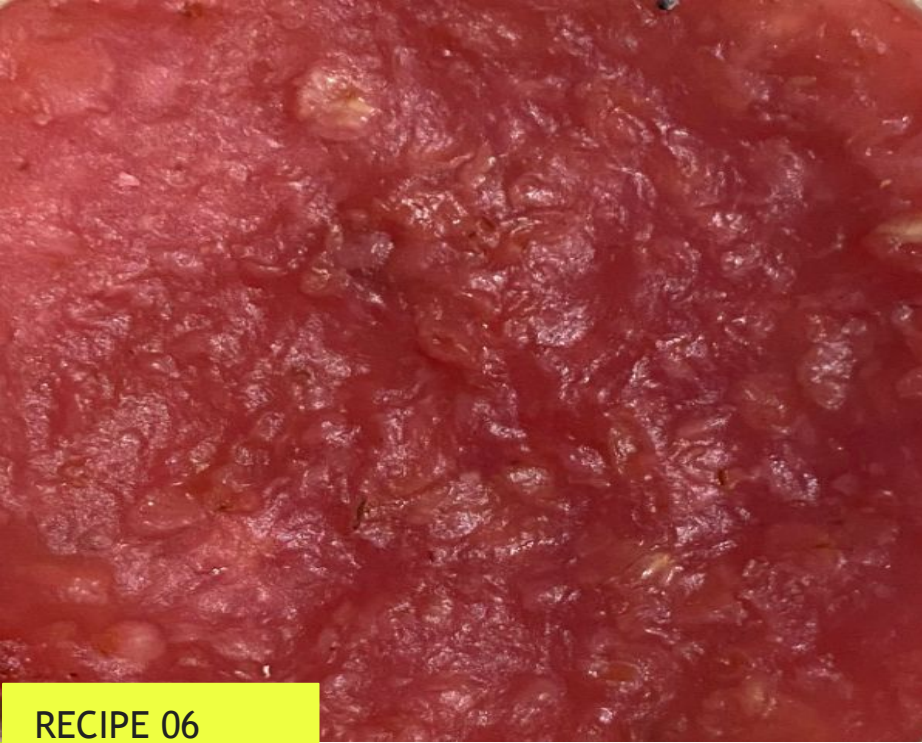
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RECIPE 06

Ingredient List

- 
 6g Glycerin
- 
 6g Corn starch
- 
 60ml Water
- 
 6g Gelatin
- 
 Oat
- 
 Beet juice



Preperation Steps

- Mix all ingredients in small pot with medium heat
- Continuously mix on medium heat
- When the mixture turns whitish and thickens, turn off heat
- Pour on to flat mold, tray

Material Assessments

hard	<div style="width: 100%; height: 10px; background-color: green; border: 1px solid black;"></div>	soft	<div style="width: 20%; height: 10px; background-color: green; border: 1px solid black;"></div>	transparent	<div style="width: 20%; height: 10px; background-color: green; border: 1px solid black;"></div>
smooth	<div style="width: 70%; height: 10px; background-color: green; border: 1px solid black;"></div>	rough	<div style="width: 10%; height: 10px; background-color: green; border: 1px solid black;"></div>	ductile	<div style="width: 80%; height: 10px; background-color: green; border: 1px solid black;"></div>
matte	<div style="width: 10%; height: 10px; background-color: green; border: 1px solid black;"></div>	glossy	<div style="width: 100%; height: 10px; background-color: green; border: 1px solid black;"></div>	heavy	<div style="width: 20%; height: 10px; background-color: green; border: 1px solid black;"></div>
elastic	<div style="width: 40%; height: 10px; background-color: green; border: 1px solid black;"></div>	not elastic	<div style="width: 10%; height: 10px; background-color: green; border: 1px solid black;"></div>	fibred	<div style="width: 100%; height: 10px; background-color: green; border: 1px solid black;"></div>
strong	<div style="width: 30%; height: 10px; background-color: green; border: 1px solid black;"></div>	weak	<div style="width: 10%; height: 10px; background-color: green; border: 1px solid black;"></div>	not-fibred	<div style="width: 10%; height: 10px; background-color: green; border: 1px solid black;"></div>

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Molding
References



https://naturelab.risd.edu/discover/biomaterials-you-can-make-at-home/?mc_cid=af61d94ee18mc_eid=1a40f63cf1