



Ingredient List



Water



Cornstarch
& Blackberries



Glycerin



White Vinegar

Preparation Steps



Mix 100ml water, 2 tbsp cornstarch, 15ml glycerin and 10ml white vinegar in a bowl.



Stir consistently on a stovetop for 10-15 minutes.



Lay the mixture on a piece of parchment paper.



Wait until cooled.

Material Assessments

hard	<input checked="" type="checkbox"/>	soft	<input type="checkbox"/>
smooth	<input type="checkbox"/>	rough	<input type="checkbox"/>
matte	<input checked="" type="checkbox"/>	glossy	<input type="checkbox"/>
elastic	<input checked="" 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 checked="" type="checkbox"/>	heavy	<input type="checkbox"/>
fibred	<input checked="" type="checkbox"/>	not-fibred	<input type="checkbox"/>

RECIPE 01

Forming Technique

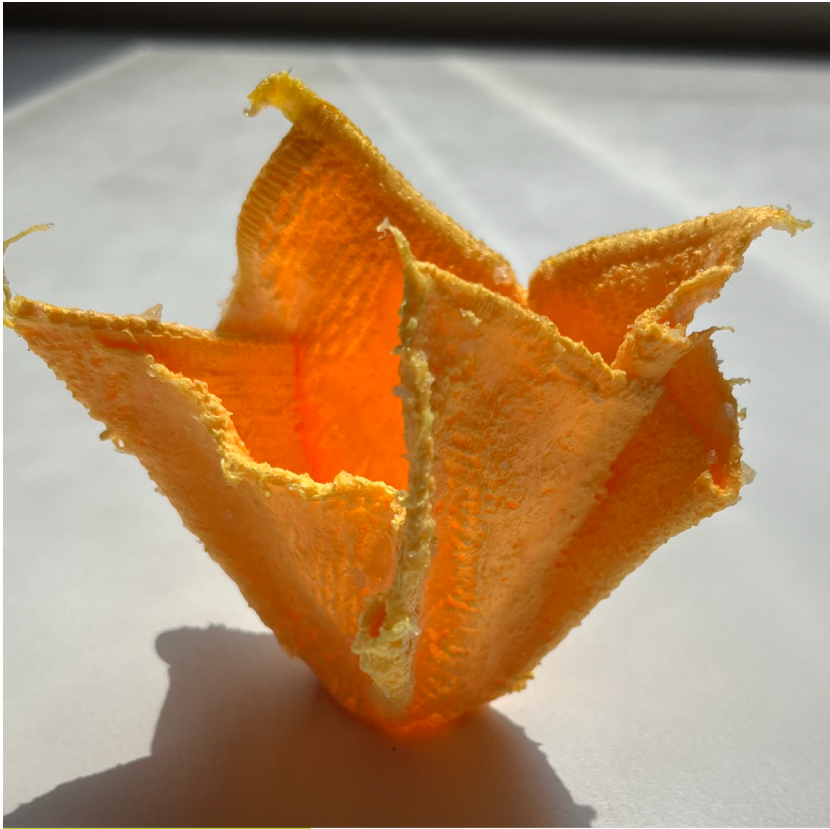
Stove cooking

References

ALP project - Bio-plastic from corn starch and vinegar, www.youtube.com/watch?v=nr6Ks4R3aAM, YouTube, March 15, 2018



Sidal Karaytuğ-Helin Söyüçengil



RECIPE 02

Forming Technique

Stove cooking

References

ALP project - Bio-plastic from corn starch and vinegar, www.youtube.com/watch?v=nr6Ks4R3aAM, YouTube, March 15, 2018

Sidal Karaytuğ-Helin Söyüçengil

Ingredient List



Water



Cornstarch



Glycerin



White Vinegar



Preparation Steps



Mix 100ml water, 2 tbsp cornstarch, 15ml glycerin and 10ml white vinegar in a bowl.



Stir consistently on a stovetop for 10-15 minutes.



Spread the mixture on a cloth.



Place on a round surface and wait until cooled.

Material Assessments

hard	<input checked="" type="checkbox"/>	soft	<input type="checkbox"/>
smooth	<input 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 checked="" type="checkbox"/>	heavy	<input type="checkbox"/>
fibred	<input checked="" type="checkbox"/>	not-fibred	<input type="checkbox"/>





RECIPE 03

Forming Technique
Stove Cooking & Shaping

References

<https://youtu.be/nr6Ks4R3aAM>



Ingredient List



Water



Cornstarch



Glycerin



White
Vinegar



Thread



Coffe
Grounds



Preperation Steps



Mix 100ml water, 2 tsp cornstarch, 10ml glycerin, 20ml white vinegar and 2tbsp coffee grounds in a bowl.



Stir consistently on a stovetop for 10-15 minutes.



Cover the thread in the bioplastic and wrap it around a balloon to give it a round shape. Add on more bioplastic for strength



Wait until dried.

Material Assessments

hard	<input checked="" type="checkbox"/>	soft	<input type="checkbox"/>
smooth	<input 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 checked="" type="checkbox"/>	heavy	<input type="checkbox"/>
fibred	<input checked="" type="checkbox"/>	not-fibred	<input type="checkbox"/>







RECIPE 04

Forming Technique
Stove Cooking & Molding





References
<https://ayxmaz-biyoloji.blogspot.com/2019/02/bi-yoplastik-uretim-sureci.html>

Ingredient List

			
Water	Powder Gelatine	Dried Clover Flower	Glycerin



Preparation Steps

			
Add 100ml of water and a handful of clover flowers into a pot and brew on medium heat.	Add 2 tbsp of powder gelatine and 6 drops of glycerin, cook until bubbles are formed.	Pour on a parchment paper and add some dried flowers on top to make it fibred.	Wait until cooled.

Material Assessments

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





RECIPE 05

Forming Technique
Stove Cooking & Molding

References
<https://ayxmaz-biyoloji.blogspot.com/2019/02/bi-yoplastik-uretim-sureci.html>

Ingredient List



Water



Powder Gelatine



Dried Alcea Flower



Glycerin



Preparation Steps



Add 100ml of water and a handful of alcea flowers into a pot and brew on medium heat.



Add 2 tbsp of powder gelatine and 6 drops of glycerin, cook until bubbles are formed.



Pour on a parchment paper and add some dried flowers on top to make it fibred.



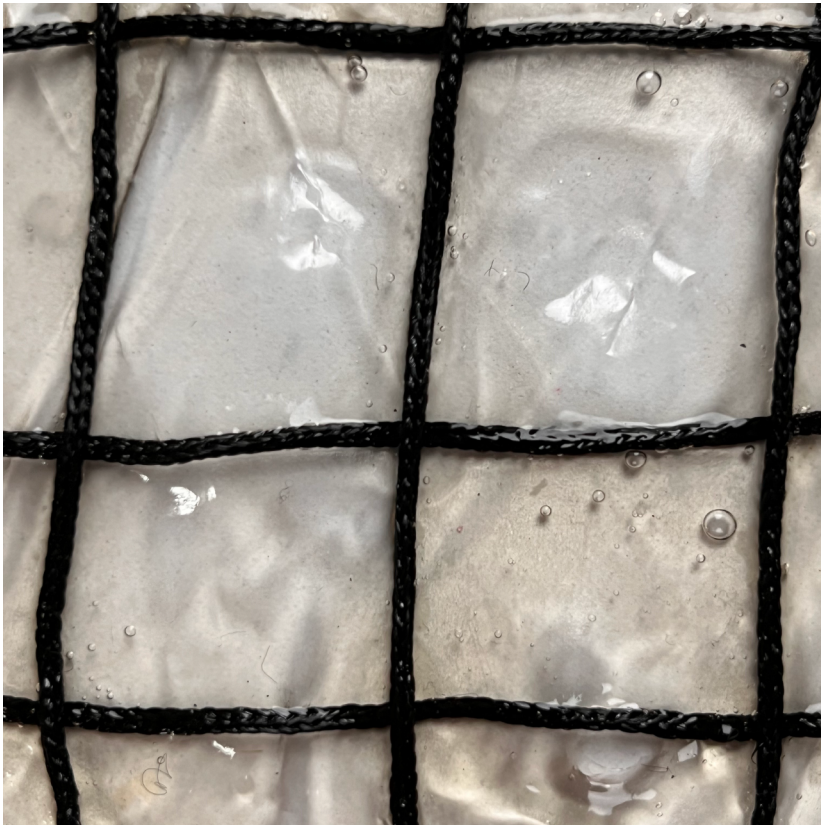
Wait until cooled.

Material Assessments

hard	<input 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 type="checkbox"/>	weak	<input type="checkbox"/>

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





RECIPE 06

Ingredient List



Water



Powder
Gelatine



Thread



Glycerin



Preparation Steps



Mix 100ml water, 2 tbsp
gelatine, 6 drops of
glycerin in a pot.



Heat the mixture
until bubbles are
formed.



Pour the mixture
on the mold lined
with thread.



Wait until cooled.

Material Assessments

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

Forming Technique

Stove Cooking & Molding

References

<https://ayxmaz-biyoloji.blogspot.com/2019/02/bi-yoplastik-uretim-sureci.html>

