













15 g Corn Starch

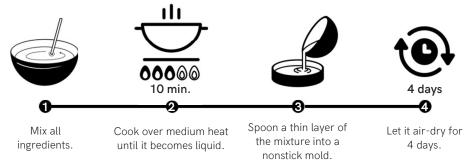
130 ml Water

5 g Glycerol

15 ml Vinegar

5 g clay

Preparation Steps



References:

Bioplastic Cook Book: Corn Starch + Clay

Material Assessments

Hard	Soft	Opaque	Transparent
Smooth	Rough	Though	Ductile
Matte	Glossy	Light	Heavy
Elastic	Not elastic	Fiberic	Not fiberic
Strong	Weak		











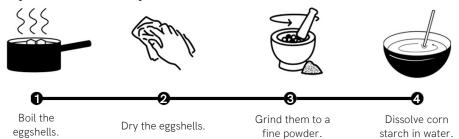
15 g Corn Starch

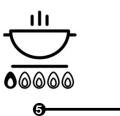
100 ml Water

5 ml Glycerol

40 g eggshell

Preparation Steps









3-4d

Heat the mixture over low heat.

Add glycerol and eggshells.

Pour the mixture into a flat tray mold.

Freeze for 1 hour, then air dry for 3-4 days.

Transparent Ductile

Heavy

Not fiberic

Material Assessments

Hard Soft Opaque Smooth Rough Though Hatte Glossy Light Elastic Not elastic Fiberic Strong Weak

References:

Materiom : Eggshell-Starch Biomaterial





10 g - 1/2 tbsp Corn Starch





Glycerol

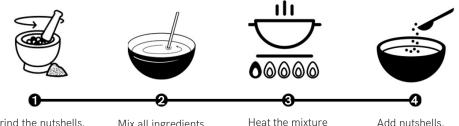


Nutshells



1tsp Vinegar

Preparation Steps

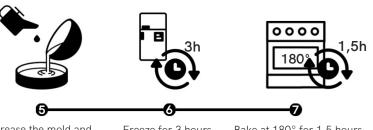


Grind the nutshells.

Mix all ingredients except nutshells.

over low heat.

Add nutshells.



Grease the mold and pour the mixture.

Freeze for 3 hours, then unmold.

Bake at 180° for 1,5 hours. Then air-dry for 3 days.

Material Assessments



References:

NØD - BIOMATERIAL RESEARCH | Behance











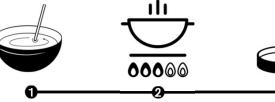
12 g Gelatine

60 ml Water

5 ml Aloe Vera Gel

10 gr Tea Grounds

Preparation Steps





Pour the mixture

Wait 5 to 6 days for

Mix all ingredients.

Heat the mixture over medium heat until it begins to froth.

into a flat tray mold.

it to dry completely.

Material Assessments

Hard			Soft
Smooth			Rough
Matte			Glossy
Elastic			Not elasti
Strong			Weak

Opaque				Transparent
Though				Ductile
Light				Heavy
Fiberic	1			Not fiberic

References:

Materiom: Tea Grounds **Bioplastic**











12 g Gelatine



60 ml Water

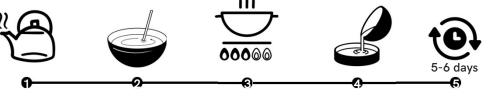






oney Locorice root

Preperation Steps



Boil licorice root and strain.

Mix all ingredients except locorice root.

Heat the mixture over medium heat.

Place the licorice roots Wait for it to dry and pour the mixture. completely.

Material Assessments

Hard	Soft	Opaque		
Smooth	Rough	Though		
Matte	Glossy	Light		
Elastic	Not elastic	Fiberic		
Strong	_ Weak			

Opaque			Transparent
Though			Ductile
Light	1		Heavy
Fiberic			Not fiberic



Materiom : Tea Grounds Bioplastic

















12 g Gelatine

120 ml Water

Grains

Preperation Steps







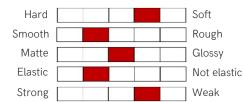
Mix all ingredients.

Heat the mixture over medium heat until the solution begins to froth.

Pour the mixture into a flat tray mold.

Wait 2 to 3 days for it to dry completely.

Material Assessments



Opaque			Transparent
Though			Ductile
Light			Heavy
Fiberic			Not fiberic

References:

Materiom: Tea Grounds Bioplastic





















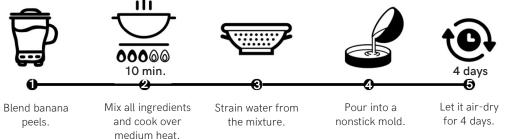
1 tbsp Gelatine

1 banana peel

1tsp Vinegar

1 tbsp cinnamon

Preperation Steps



Material Assessments

Hard		Soft	Opaque		Transparent
Smooth	10	Rough	Though		Ductile
Matte		Glossy	Light] Heavy
Elastic		Not elastic	Fiberic		Not fiberic
Strong		l Weak			



Bioplastic from banana peels - YouTube





