



S-1



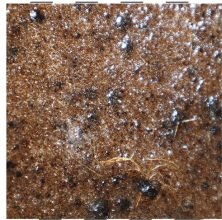
S-2



S-3

Starch based samples

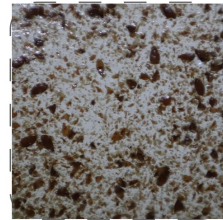
S1,2,3



G-1



G-2



G-3

Gelatin based samples

G1,2,3

S-1

-8. gr Glycerin
-20gr Water
-10gr Vinegar
-.9 gr Corn starch

oven: ☐

air fryer: ☐

air dry: ☒

...C

..hours/?days

S-2

-10 gr Vinegar
-20gr Water
-.9 gr Corn starch
-.5. gr Tea waste

oven: ☐

air fryer: ☐

air dry: ☒

...C

..hours/?days

S-3

-10gr Water
-.9gr Corn starch
-28gr Vinegar+Glycerin
-.5. gr Coffee grounds

oven: ☐

air fryer: ☐

air dry: ☒

...C

..hours/?days

G-1

-6. gr Gelatin
-.3 gr Banana Fiber
-32 gr Glycerine

oven: ☐

air fryer: ☐

air dry: ☒

...C

..hours/ 4-5 ..days

G-2

-4. gr Gelatin
-.7. gr Black Tea
-28 gr Glycerine
-.5. gr Tapioca Starch

oven: ☐

air fryer: ☐

air dry: ☒

...C

..hours/ 4 ..days

G-3

-4. gr Gelatin
-.3 gr Flax Seeds
-28 gr Glycerine

oven: ☐

air fryer: ☐

air dry: ☒

...C

..hours/ 4-5 ..days



Observations about the materials and their effects (starch based)

- 1) Glycerin helps with preventing cracks during the drying process.
- 2) The more time we spend to cook the recipe, the less risk of cracking.
- 3) The amount of vinegar used determines the strength.
- 4) The amount of starch determines the thickness and transparency.

Observations about the materials and their effects: (gelatin based)

- 1) Glycerine adds flexibility but also delays drying.
- 2) The more water you use to bloom your gelatine the more crinkles you'll get at the end.
- 3) Mixing a small amount of starch with gelatine creates a rubber like flexible texture.
- 4) Fibers help with durability and texture.



RECIPE 01

Forming Technique

References



Defne Su Akın, Lütfiye Yağmur Coşkun

Ingredient List



Corn starch



Vinegar



Water



Glycerin



Preperation Steps



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>



RECIPE 03

Forming Technique

References
<https://thenounproject.com>



Defne Su Akın, Lütfiye Yağmur Coşkun

Ingredient List



Corn starch



Vinegar



Coffee grounds



Water+Glycerin



Preperation Steps



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



Corn starch



Vinegar



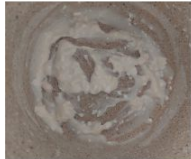
Tea waste



Water+Glycerin



Preperation Steps



Material Assessments

hard	<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>
matte	<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>
strong	<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>
rough	<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>
not elastic	<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>
tough	<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>
fibred	<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>
ductile	<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>
not-fibred	<div><div></div><div></div><div></div><div></div><div></div></div>

Forming Technique



References
<https://thenounproject.com>



RECIPE 04

Ingredient List



Banana Fiber



Water



Glycerine



Gelatine



Preperation Steps



Material Assessments

- hard ☐ ☐ ☐ ☐ ☐
- smooth ☐ ☐ ☐ ☐ ☐
- matte ☐ ☐ ☐ ☐ ☐
- elastic ☐ ☐ ☐ ☐ ☐
- strong ☐ ☐ ☐ ☐ ☐

- soft ☐ ☐ ☐ ☐ ☐
- rough ☐ ☐ ☐ ☐ ☐
- glossy ☐ ☐ ☐ ☐ ☐
- not elastic ☐ ☐ ☐ ☐ ☐
- weak ☐ ☐ ☐ ☐ ☐

- opaque ☐ ☐ ☐ ☐ ☐
- tough ☐ ☐ ☐ ☐ ☐
- light ☐ ☐ ☐ ☐ ☐
- fibred ☐ ☐ ☐ ☐ ☐

- transparent ☐ ☐ ☐ ☐ ☐
- ductile ☐ ☐ ☐ ☐ ☐
- heavy ☐ ☐ ☐ ☐ ☐
- not-fibred ☐ ☐ ☐ ☐ ☐

Forming Technique

References





RECIPE 05

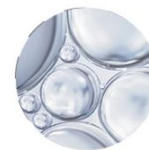
Ingredient List



Gelatine



Water



Glycerine



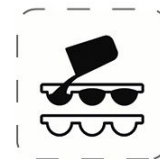
Black Tea



Tapioca Starch



Preperation Steps



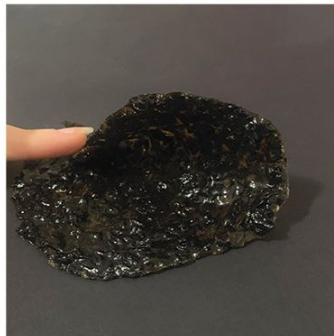
Material Assessments

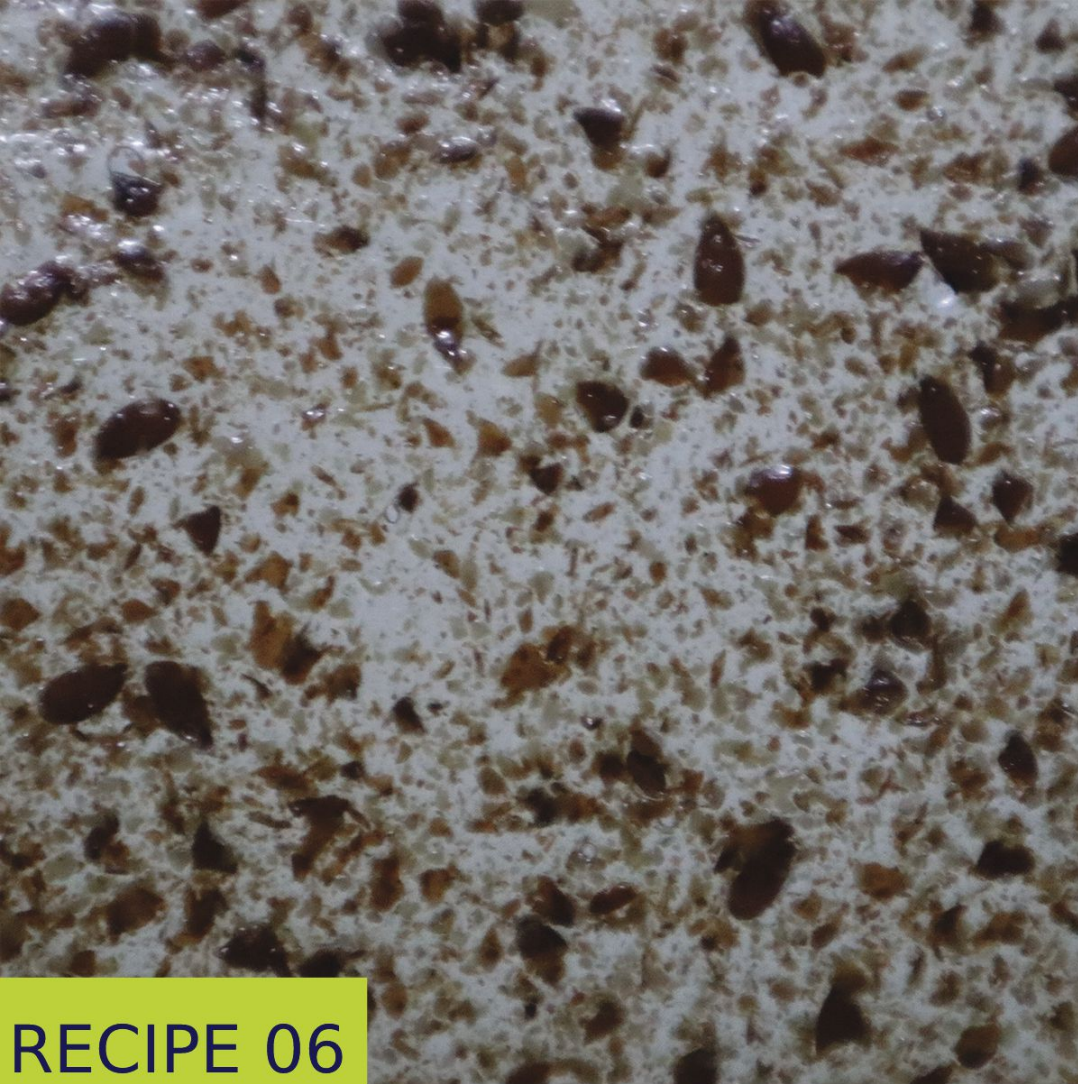
hard	<div><div></div><div></div><div></div><div></div><div></div></div>	soft
smooth	<div><div></div><div></div><div></div><div></div><div></div></div>	rough
matte	<div><div></div><div></div><div></div><div></div><div></div></div>	glossy
elastic	<div><div></div><div></div><div></div><div></div><div></div></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





RECIPE 06

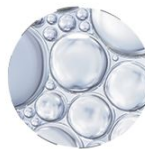
Ingredient List



Ingredient 01



Ingredient 02



Ingredient 03



Ingredient 04



Preperation Steps

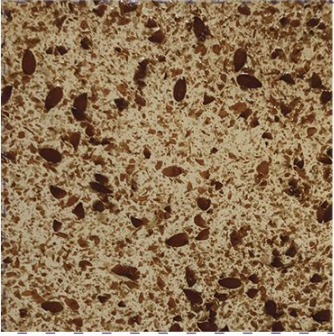


Material Assessments

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