



POMECCO

FROM POMEGRANATE TO ECOLOGICAL LEATHER

CATALOGUE 2025

[www.yugencompany.com](http://www.yugencompany.com)



We don't just create  
materials;  
***we tell a story***  
about what's possible  
when  
***we work with nature,***  
not against it.



where nature meets innovation



**vegan**

**ecologically  
designed**

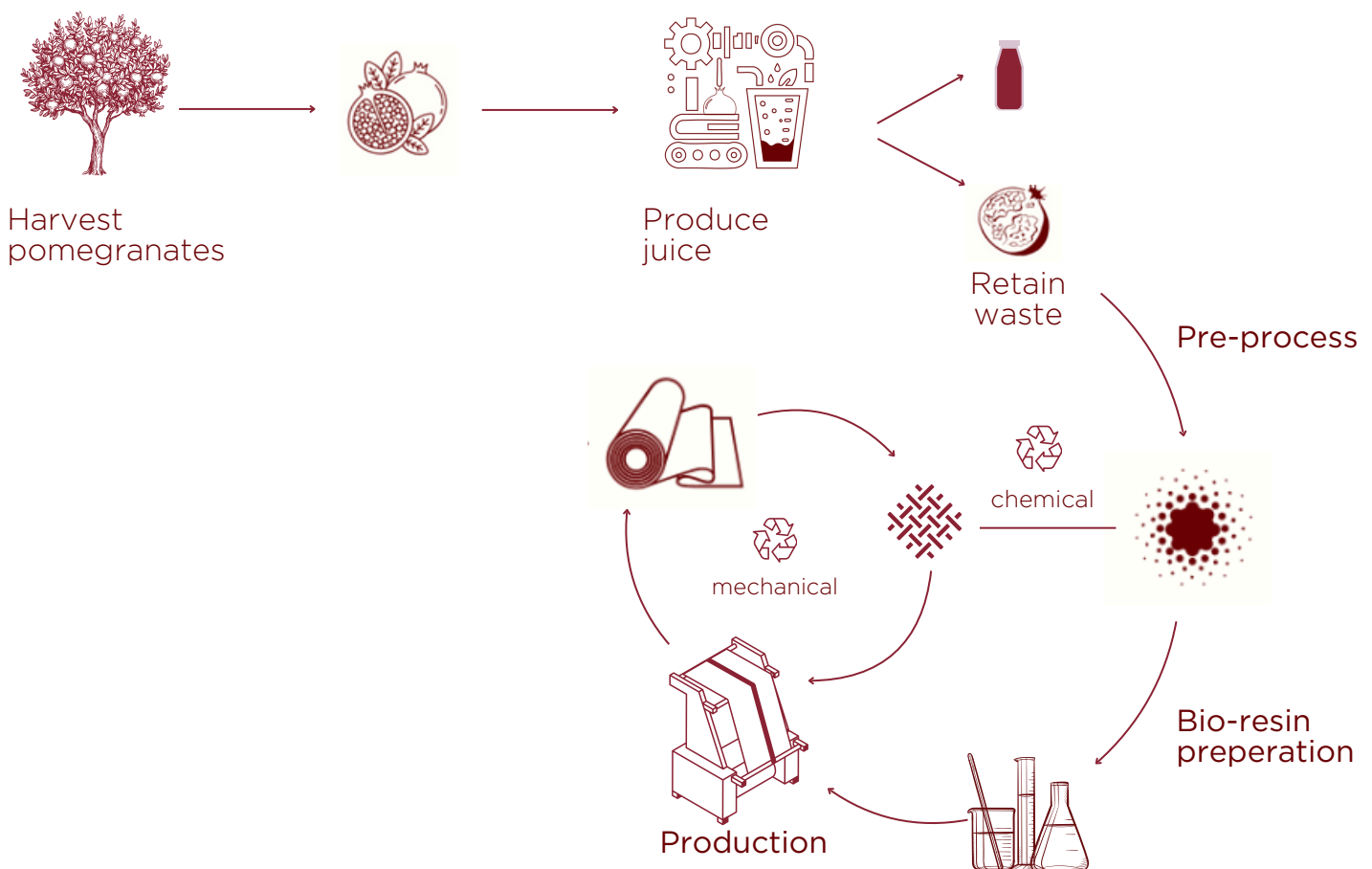
We're dedicated to  
innovating bio-based  
materials that reshape  
industries and minimize  
environmental impact.

Through a patent-pending  
technology, we turn  
pomegranate peels into high-  
quality bio-leather, reducing  
reliance on animal and synthetic  
alternatives while delivering  
materials that support a  
sustainable, circular future.

**durable**

# our materials are rooted in nature's own circularity

What sets Pomeco apart is how we utilize the strength and durability inherent in the molecular composition of pomegranates. We take something often considered waste and show its true potential.



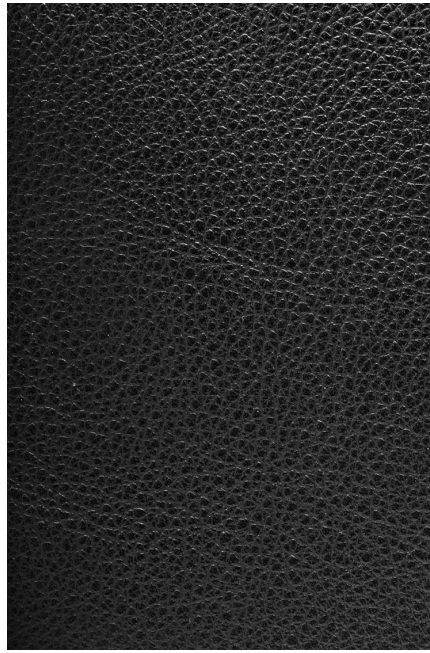
# CATALOGUE

## TEXTURE



T01

RIND



T02

SEED



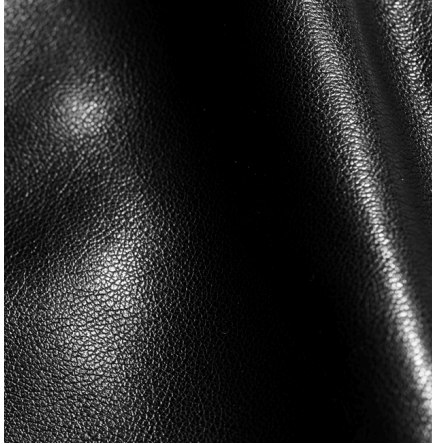
T03

PITH

We believe that ethical choices should never come at the expense of quality or high design. That's why *Pomeco is fully customizable*. We ensure that our customers looking for specific textures, colors, or finishes can commit to sustainability without comprising their aesthetic standards

# CATALOGUE

## COLLECTION



### **EASE**

**Code: 1909**

Weight:  $280 \pm 5$  g/m<sup>2</sup>

Thickness:  $0.5 \pm 0.1$  mm

Application Areas: Clothing (stretch)



### **VITA**

**Code: 1911**

Weight:  $500 \pm 5$  g/m<sup>2</sup>

Thickness:  $1.0 \pm 0.1$  mm

Application Areas: Bags, Shoes, Upholstery



### **AURA**

**Code: 1910**

Weight:  $300 \pm 5$  g/m<sup>2</sup>

Thickness:  $0.7 \pm 0.1$  mm

Application Areas: Clothing, Bags



### **TERRA**

**Code: 1912**

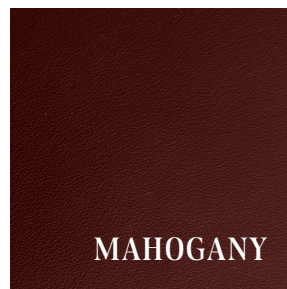
Weight:  $600 \pm 5$  g/m<sup>2</sup>

Thickness:  $1.2 \pm 0.1$  mm

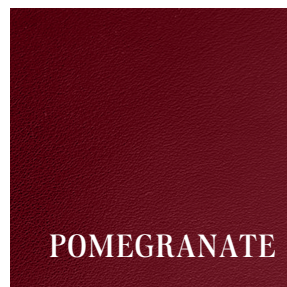
Application Areas: Bags, Shoes, Upholstery

# CATALOGUE

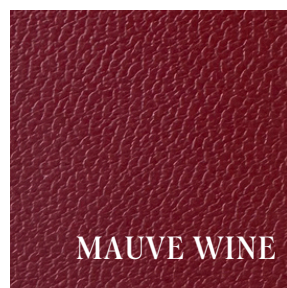
## COLOR CHART



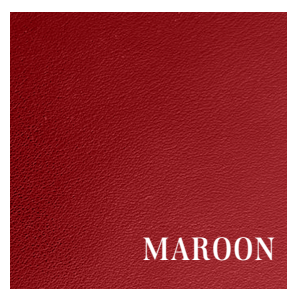
MAHOGANY



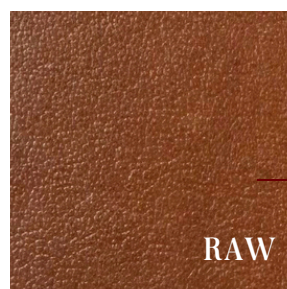
POMEGRANATE



MAUVE WINE



MAROON



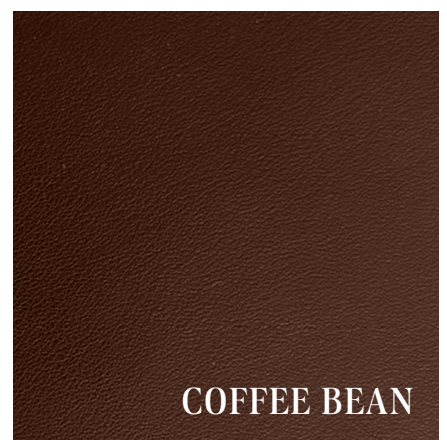
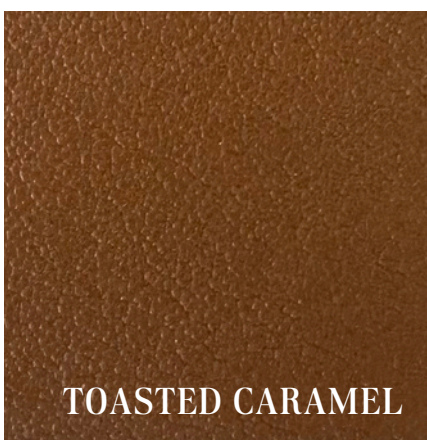
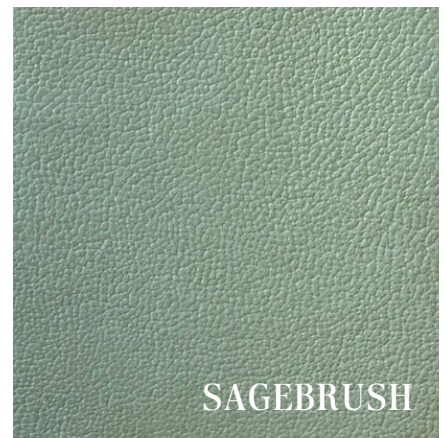
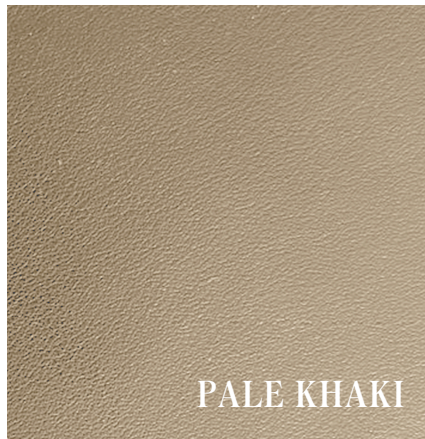
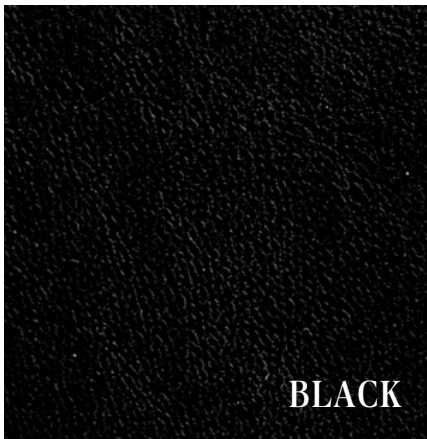
RAW



*natural pomegranate  
peel color*

# CATALOGUE

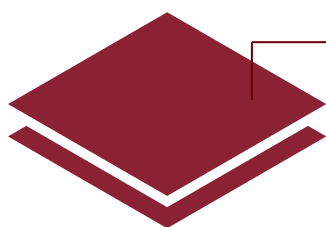
## COLOR CHART



# TECHNICAL DATA SHEET

Criteria	Aspect	Unit	Result	Method
Weight		g/m2	<b>330±%10</b>	
Thickness		mm	<b>0.80±%10</b>	
Tensile Strength	Horizontal Vertical	N	<b>min 180 min 450</b>	TS 2008 EN ISO 1421
Elongation at Break	Horizontal Vertical	%	<b>70±%20 30±%20</b>	TS 2008 EN ISO 1421
Tear Strength	Horizontal Vertical	N	<b>min 15 min 5</b>	TS EN ISO 4674-1
Color Fastness to Light	Dry Dark Color	gs	<b>min 4-5 min 5</b>	TS EN ISO 105-X12
Abrasion (Martindale)		rub	<b>min.50000</b>	TS EN ISO 5470-2

## COMPONENTS



### 61% biobased coating

40% pomegranate peel & 60% starch-based bioPU



+



*For us, sustainability is not just a concept—it's a commitment to the wholeness of the world that goes far beyond environmental responsibility.*



# IMPACT

By using plant-based resources and reducing the reliance on chemicals, we are able to minimize the harmful impact on soil, water, and the air. Pomeco's bio-leather production consumes less energy, requires fewer resources, and generates lower emissions than traditional animal and synthetic leather.



**Effective Waste Management**  
Utilizes agricultural peel waste



**Low Carbon Emissions**  
10x lower footprint



**No Toxic Chemicals**  
Free of Solvent, DMF



**No Waste Water**  
There is no waste water generated in production



**Renewable Resources**  
Production in solar-powered lines



**Circular Economy**  
210 tons of peel waste will be upcycled in 5 years

# ACHIEVEMENTS

With this valuable achievements, we are more motivated and determined than ever to advance circular design and innovation. Together, we aim to expand POMEKO's reach, creating greater impact through more sustainable choices.



**COP29**  
**4+1 ClimAccelerator**



**Driventure CVC by**  
**Ford Otosan**



**Women in Agrifood**  
**Stories 2024, Lisbon**



**Big Bang StartUp Challenge,**  
**2024 Stage**



**Big Bang Awards**



**1st Prize Future of**  
**Automotive Design**  
**Competition**



**1st Prize EIT Food**  
**Empowering Women in**  
**Agrifood**

**TRUK**  
accelerator

**CIP**

Global Cleantech  
Innovation Programme

**EWA** Empowering  
Women in Agrifood

**UNLÜ & Co**

Kadın  
**TEKNOLOJİ**  
Girişimcileri  
Akademisi

**ITUÇEKİRDEK** | KULUÇKA  
MERKEZİ

LET'S CRAFT A SUSTAINABLE  
TOMORROW, TODAY

JOIN THE MOVEMENT



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