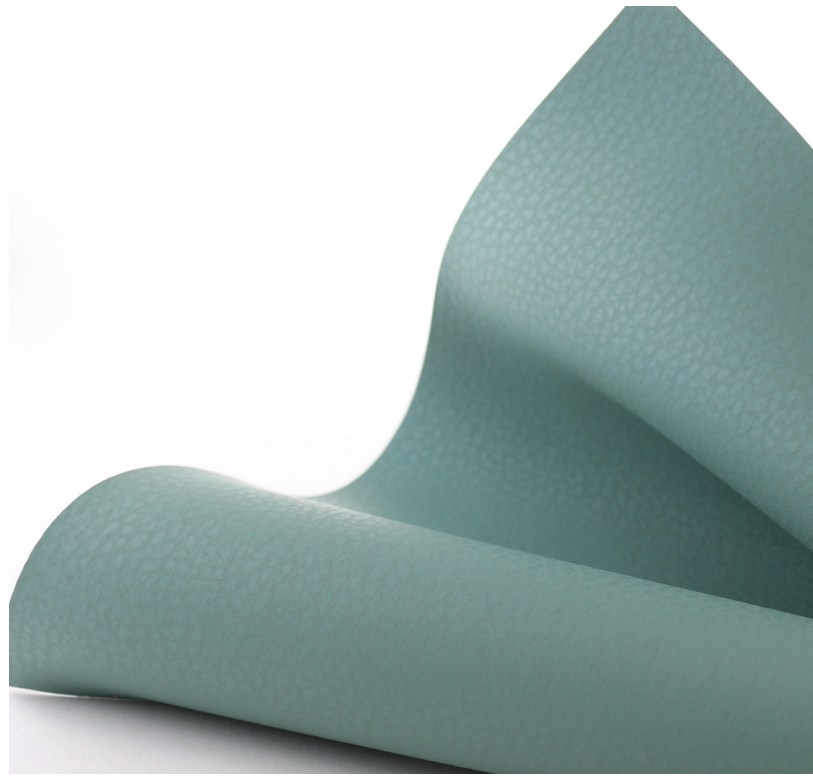


# Volar Bio — Ultrafabrics

A hybrid by design, the **Volar Bio** collection is the first of its kind and incorporates renewable, biobased materials. Designed to support eco-friendly specifications, Volar Bio combines subtle organic texturing with a semi-lustrous base. The unique matte surface will add a touch of understated elegance to any setting, without compromising the unrivaled performance of Ultrafabrics. Volar Bio has been recognized by PETA's Vegan Homeware Award 2020, winning the organization's prestigious Innovation Award.



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- Proudly touts a 29% BioPreferred Program Label
  - Blends renewable plant-based and forestry materials into the multiple layers of our proprietary Takumi™ Technology
  - Combines forward-thinking innovation with unrivaled performance
  - Reduces dependence on fossil fuel resources
  - Designed to support eco-friendly specifications
  - BioPreferred Program Certified, U.S. Department of Agriculture
  - SCS Indoor Advantage Gold Certified and REACH compliant
  - Tested to the ISO Standard

**An intelligent solution** – the Ultrafabrics family of performance fabrics highlights boundary-pushing innovation where looks, feel and performance matter.



# Volar Bio from Ultrafabrics

## Application

Interior Upholstery

## General Specifications

### Composition:

Proprietary Polycarbonate + Biobased Surface  
65% Polyester, 35% Rayon Backing

### Weight:

Approx. 12.1 oz. Per Square Yard  
Approx. 410 Grams Per Square Metre

### Thickness:

Approx. 1.15 Millimetres

### Width:

54 Inches / 137 Centimetres

### Repeat:

None

## Performance

### Abrasion:

ASTM D4157 / 300,000 Double Rubs (Wyzenbeek)\*  
BS EN ISO 12947-2 / 200,000 Rubs (Martindale)\*  
\*meets or exceeds

### Hydrolysis:

14+ Weeks  
ASTM D3690 Sect. 6.11 (Hydrolytic Stability)  
ISO 1419 Method C (Accelerated Ageing)

### Biobased Carbon Content:

29%  
ASTM D6866-18 (Method B)  
ISO 16620-2; 2015

Adhesion of Coating: ASTM D751

Tear Strength: ASTM D2261

Breaking Strength: ASTM D5034

Tensile Strength: BS EN ISO 1421

## Colorfastness

Light Fastness: AATCC 16.3, 200 Hours, Grade 4  
ISO 105 B02, Grade 6

Crocking: AATCC 8, Grade 4-5 Wet & Dry

## Flammability Requirements

- ASTM E84 (Adhered) - Class A
- CA TB 117 - Pass
- FMVSS 302 & 95/28 Annex IV - Pass
- NFPA 260 - Class 1
- UFAC - Class 1

These fabrics, when treated and/or used with other compatible furniture components, have been shown to perform under the fire test conditions of:

- ASTM E84 (Unadhered)
- BS 5852 Source 0, 1 & 5 (Cig, Match & Crib 5)
- IMO FTPC Part 8

For more information on certifications and standards, sustainability, as well as cleaning and care instructions, please visit our website.



INDOOR ADVANTAGE GOLD  
FURNITURE



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