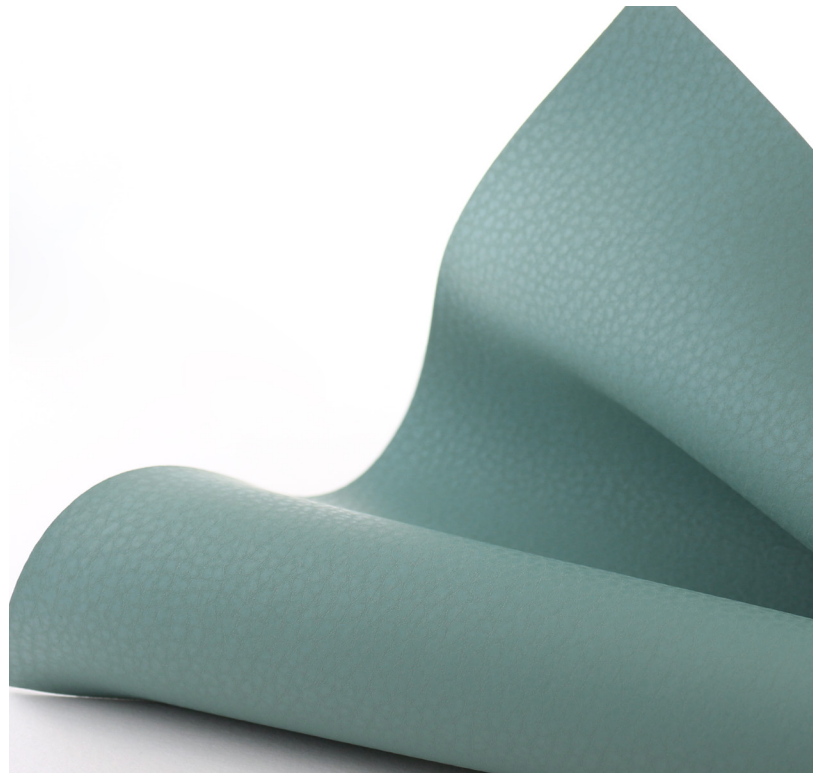


Volar Bio — Ultrafabrics

Volar Bio is the first bio-based, high-performance material. Its unique matte surface will add a touch of understated elegance to any setting, without compromising performance. Volar Bio has been recognized by PETA's Vegan Homeware Award 2020, winning the organization's prestigious Innovation Award.



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- Combines forward-thinking innovation with unrivaled performance
 - Reduces dependence on fossil fuel resources
 - Designed to support eco-friendly specifications
 - Proudly touts a 29% BioPreferred Program Label
 - Blends renewable plant-based and forestry materials into the multiple layers of our proprietary Takumi™ Technology
 - In pursuit of our goal to include at least 50% renewable and/or recycled resources across all collections, the backcloth of Volar Bio will transition to include recycled polyester and responsibly sourced rayon.
 - 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:

16 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 D751

Tensile Strength: BS EN ISO 1421

Colorfastness

Light: 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 117-2013 - Pass
- FMVSS 302 - 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)
- IMO FTPC Part 8
- BS EN 1021 Parts 1 & 2
- BS 5852 Source 0, 1 & 5 (Cig, Match & Crib 5)

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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7/23

