

LUUM

Woven Logic Collection

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Before computers, people programmed looms. Woven structures are where “programming” was born. *The Woven Logic Collection*, from Luum Textiles, explores the binary art of weaving. This collection draws inspiration from the jacquard loom, a precursor to digital computation.

The Woven Logic Collection by Suzanne Tick highlights anomalies in automated structures and celebrates weaving from simple, plain and basket weaves along with more complex constructions. The five new fabrics feature these hidden complexities within inherently durable material constructions. Each fabric represents an exploration in fiber development with sophisticated color palettes.

Through the process of replication of patterns and complex sequences, happy accidents occur and new directions emerge. Pattern and texture that refer to rigorous order impart playful moments. Complementing the multi-faceted structures, the collection offers rich tones enhanced with versatile neutrals creating dynamic color palettes.





1 ——— Point Set

Point Set’s playful graphic language honors the legacy of textile manufacturing, while highlighting the relationship between early jacquard looms and our experience of today’s digital world. The coding language of 0 and 1 can be traced directly to the binary system of weaving, harnessed by jacquard technology during the industrial revolution. *Point Set*’s non-directional pattern emulates renderings of classic satin weave structures applied to point paper, a tool used for communicating pattern to industrial looms throughout much of the 1900s. The matelassé structure accentuates the practice of interlacing multi-layered weaves to create pattern. Dual hues in this saturated palette underscore the structure’s relief and materiality.

Use: Upholstery
Content: 62% Polyester + 23% Recycled Polyester (15% Pre-consumer, 8% Post-consumer) + 15% Nylon
Number of Colorways: 8
(shown on chair, inside front cover): Power Surge
Abrasion: Wyzenbeek 102,000 double rubs
Special Characteristics: Bleach Cleanable

2 ——— Adage

Adage brings hand-woven techniques to industry front lines. Material and color are intertwined in a deceptively simple and balanced structure, creating a multi-color texture with an enhanced visual effect. By introducing these unexpected variations to otherwise mechanical processes, *Adage* conveys a hand-woven sensibility while maintaining the ideal performance qualities for contemporary environments. This satisfyingly chunky texture comes in 21 colors, a palette that encompasses a broad range of neutrals and colors in a variety of saturation levels.

Use: Upholstery
Content: 82% Polyester + 14% Cotton+ 4% Acrylic
Number of Colorways: 21
(shown on chair, reverse side): Diffraction
(shown on back, left to right): Holograph, Orchil, Chromite, Petrol
Abrasion: Wyzenbeek 100,000 double rubs

3 ——— Elastic Wool

Highlighting the innovation that can be achieved through manufacturing partnerships, *Elastic Wool* repurposes existing manufacturing technology in response to current needs in the marketplace to create an entirely new material. Today’s curvilinear furniture presents new challenges for textile application. In response, elastomeric fiber is introduced to an intimate blend of wool and nylon and woven in conjunction with cationic polyester for a highly upholsterable and durable textile. The plain weave construction, often considered the most rigid structure, takes on an element of playfulness and spontaneity without sacrificing performance. The color palette encompasses bold brights, heathered hues and refined neutrals to highlight the integrity of the wool fiber. *Elastic Wool*’s understated design lends sophistication and elegance to this innovative fiber technology.

Use: Upholstery
Content: 50% Wool + 27% Polyester + 21% Nylon + 2% Elastane
Number of Colorways: 16
(shown on back, top to bottom): Dart, Jovial, Rust, Lovelace
Abrasion: Martindale 100,000 cycles
Special Characteristics: Chemical Finish Free, Heavy Metal Free

Collection: *Woven Logic*
Designer: Suzanne Tick



From top to bottom: 5. Percept, 1. Point Set, 4. Bitstream, 2. Adage



2. Adage

3. Elastic Wool



5. Percept



4 ——— Bitstream

Bitstream's balanced weave harnesses the relationship between the structured and the idiosyncratic. Solution-dyed black polyester is twisted with undyed polyester and woven systematically throughout an otherwise simple structure. The effect is an overall sense of organic unpredictability, as solid color is interrupted seemingly at random by high-contrast black. These anomalies speak to our experience of the digital age, as complex pattern is created through the binary system of weaving. This multipurpose fabric, 100% recycled, bleach cleanable, and highly durable, addresses needs for vertical and upholstery uses.

Use: Upholstery, Wrapped Wall, Panel

Content: 100% Recycled Polyester (58% Pre-consumer, 42% Post-consumer)

Number of Colorways: 12

(shown on next page, center of composition): Silicone

Abrasion: Wyzenbeek 100,000 double rubs

Special Characteristics: Bleach Cleanable, Acoustically Transparent

5 ——— Percept

This versatile recolor of a classic multi-purpose fabric now offers an extended palette of 27 colors. Sophisticated as a vertical fabric, its heavier weight and elegant textural surface make *Percept* perfectly suited for upholstery use. The developed palette includes essential colors, ranging from light to bright to deep. Combining the existing technical brights with a warm neutral, vibrant greens and a subtle pink creates a rich and bold palette. *Percept* is a true multi-purpose fabric designed for use as upholstery, panel and wrapped wall.

Use: Multi-purpose

Content: 81% Recycled Polyester (Post-consumer) + 19% Polyester

Number of Colorways: 27

(shown here, top to bottom): Verve, Pulse, Fringe, Harmonic, Propagate, Placid

Abrasion: Wyzenbeek 95,000 double rubs

Special Characteristics: PFOA/PFOS Free Stain Repellent