



ISA INDUSTRIAL LTD.

Transforming Waste into Opportunity

At ISA, we are pioneering a solution to one of the industry's biggest challenges. Every year millions tons of solid leather waste (wet blue shavings, offcuts & scraps) are generated by tanneries, shoe and handbag factories destined for landfills.

Our innovative process diverts this waste and transforms it into a high quality, upcycled material. This breakthrough presents a unique opportunity for brands to enhance their sustainability story and connect with eco-conscious consumers.



Vision for the Future

TODAY: ISA is currently upcycling wet blue shaving waste in our China tannery location into the innovative Sun Meadow 1100 material. Our product is perfect for use in footwear or accessories, pieced patterns and outdoor footwear mud guards.

TOMORROW: We will expand our development to include shoe factory offcuts and scrap in Vietnam. This expansion is more than just growth, it's about creating a sustainable, verified circular supply chain that benefits all stakeholders

Brands utilizing leather can be part of the sustainability journey, buying repurposed waste from the shoe production supply chain.



Sun Meadow 1100

Process Steps

- Collect wet blue shavings or leather offcuts & scrap for upcycling into Sun Meadow.
- Sun Meadow incorporates up to 30% leather waste, previously destined for landfill.
- Offers a unique circular story for leather using brands to boost sustainability approach.



Collection and Sorting

Collect wet blue shavings or leather offcuts & scraps and sort by color/type.

Mechanical Processing

Shred & mill the sorted material into a fine powdered form.

Blending

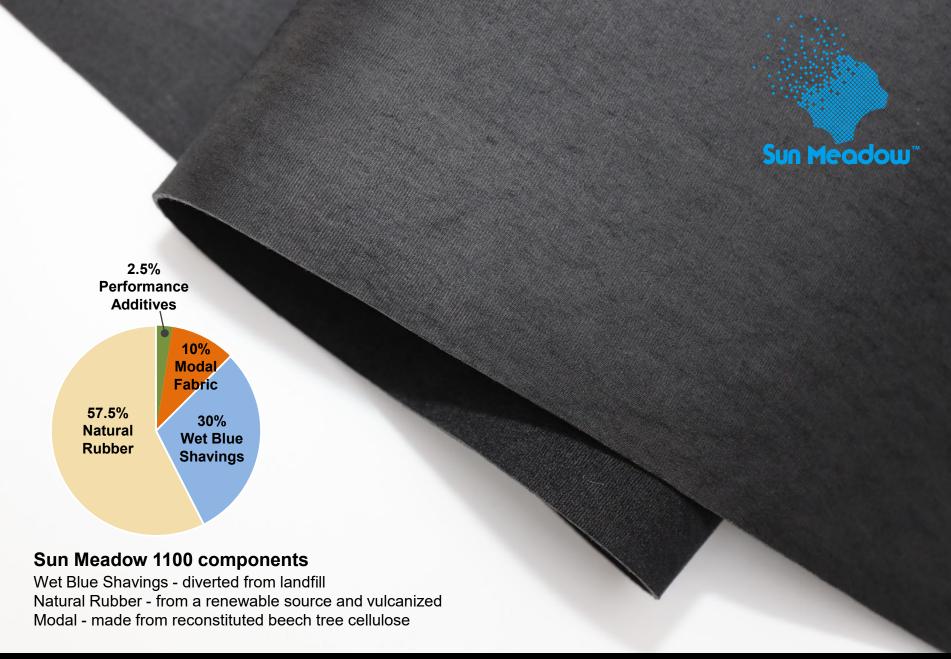
Mix the powdered leather with proprietary rubber blend.

Forming

Press the blended material into sheets.

New Products

Finished product for use in footwear and accessories.





Order Information for Sun Meadow 1100



Content

30% Leather Waste, Natural Rubber & Modal fabric for structure



Thickness

1.2-1.4mm or 1.8-2.0mm



Colors Black only



Price

\$1.85 per sqf



Size

1 sqm 100% cuttable area





Sun Meadow 1100 Spec

	Test Code	001 A0	Date	8/28/23	End User	ALL
Product Name Sun Meadow 1100				Color	BLACK	
ID	Property / Description		Tes	st Method	Units	Requirement
12	THICKNESS OF LEATHER AND INSOLE MATERIALS		SA	TRA TM1	mm	1.6 - 2.0
634	WEIGHT			4	g/m2	2,000 +/- 300
816	TENSILE PROPERTIES OF PLASTIC AND RUBBERS - BREAKING STRENGTH			TRA TM 137	kgf/cm2	min. 40
817	TENSILE PROPERTIES OF PLASTIC AND RUBBERS - EXTENSION AT BREAK			TRA TM 137	%	min. 200
818	TEAR STRENGTH OF RUBBERS AND PLASTICS - TROUSER METHOD			TRA TM 218	N/mm	min. 35
274	VAMP FLEX - DRY			TRA TM25	CYCLE	500,000 cycles - not worse than slight crack
133	ABRASION RESISTANCE - TABER METHOD			TRA TM163	SCALE RATING	H-18 / 500 g / 200 cycles No wear through textile to rubber
4	CROCKMETER TEST - DRY			TRA TM167	GSS RATING	min. 4
5	CROCKMETER TEST - WET			TRA TM167	GSS RATING	min. 2

- Harmonized Tariff Code: 5906.91.2000
- Rubberized textile fabric, not adhesive tape, knitted, of man-made fibers

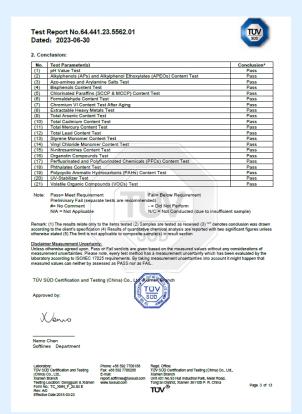


RSL Test Report



Varient Branch
Unit 401 No.53 Hull Industrial Park, Metxl Road,
Tong'an District, Xlamen 361100 P. R. China





*Certification Deck available upon request



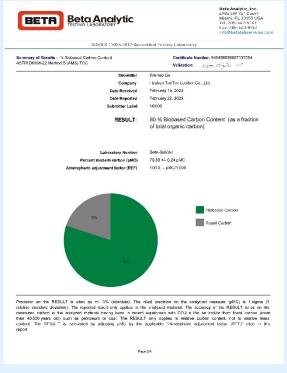
Teeling Location: Dongguan & Xlamen Form No.: TC_XMN_F_24.04 E Rev: A/0 Effective Date: 2015-03-23

3rd Party Biobased Certification

Beta Analytic, Inc. 4985 SW 74th Court Miami, FL 33155 USA Tel: 305-667-5167

Fux: 305-663-0964







would indicate a mixture. The higher the value, the greater the proportion of naturally sourced components in the material.

Beta Analytic

*Certification Deck available upon request



Rubber Certification & Modal Fabric Certification





*Certification Deck available upon request



Allergen Test

We have tested our products with Dermatest



*Certification Deck available upon request

