



LITRAXONE (L1) Yarn Series

Natural Bamboo Yarn – made of bamboo bast fiber

General Description



The L1 Yarn Series is made by naturally extracted bamboo bast fiber through a enzyme retting and steam washing process. The fiber refining process is done in harmony with OEKO-TEX standards, made in France. Yarn spun of LITRAXONE (L1) bamboo bast fibers are made in harmony with bluesign certification standards. Fabrics made of L1 bamboo yarns feel like a second skin, have excellent moisture absorbtion, permeability, with significant less wrinkle than comparable linen bast fibers and impress with a natural gloss. Bamboo bodywear does not stick on the body, feels soft and cooler on body in hot summers, and insulates in winters through a natural micropore structure in the bamboo fiber. Bamboo bast fiber cannot be compared with traditional viscose fiber. L1 yarns are available in 100% pure and blended products with certified organic cotton, viscose, Lenzing modal & tencel.



Features

- 100% natural and biodegradable
- Non-sticking on body
- Moisture absorbtion
- Sweat permeability (active breathing)
- Subjective de-odourizing
- Softer than linen, comparable to hemp
- Silky gloss in natural daylight
- Protection against ultraviolet emission
- Splendid colors

Applications

Knitted & Woven Garments
Intimate Apparels
Dresses & Suits
Bathrobes & Towels
Medical Sanitary Products

PRELIMINARY SPECIFICATION
Data subject to change.
Copyright © 2006-2008 Litrax GmbH
August 5, 2008
L1.YARN. V1.0

US Office:
LITRAX USA
9 Liberty Hill Dr.
Blackstone, MA 01504
USA
www. Litrax.com
Phone (508) 876 1070
Fax (508) 883 3434
Litrax@Litrax.com

Corporate Headquarter:
LITRAX GmbH
Technopark Luzern D4
CH-6039 Root
SWITZERLAND
www. Litrax.com
Phone +41 41 450 4944
Fax +41 41 455 2021
Litrax@Litrax.com

Technical Data

Fiber Options

L1 Fiber Characteristics	Dimensions
<i>Fineness</i>	5.7 D
<i>Fiber Dimensions</i>	38mm (from natural 70-250mm staple)
<i>Fiber cross section</i>	Kidney shape
<i>Production process</i>	Enzyme retting
<i>Shade</i>	Noble luster / translucent

Specification for 30% L1 bast bamboo 70% organic cotton yarn

Parameter	Unit	40s	50s	60s
Count	Nm	40/1	50/1	60/1
Irregular CV %	%	17.5	19.9	21.2
Breaking Load	CN	293.9	225.8	172.9
Tenacity	cN/tex	11.5	11.3	10.3
CV %	%	10.7	11.5	12.9
Elongation	%	3.4	4.2	3.3
CV %	%	9.62	10.21	11.25
Thin -50%	PC/1km	40	208	386
Thick +50%	PC/1km	345	788	1126
Nep +200%	PC/1km	172	545	977
Twist	T/inch	820Z	910Z	1000Z
L1 Grade	—	A	A	A
Organic Cotton Origin (kbA)	Certified	BioRe	BioRe	BioRe

Ordering Information

Description	Count	Ordering P/N
30% L1 bamboo / 70% organic cotton yarn	40Ne	L1.30.C070.40.1
30% L1 bamboo / 70% organic cotton yarn	50Ne	L1.30.C070.50.1
30% L1 bamboo / 70% organic cotton yarn	60Ne	L1.30.C070.60.1

PRELIMINARY SPECIFICATION
Data subject to change.
Copyright © 2006-2008 Litrax GmbH
August 5, 2008
L1.YARN. V1.0

US Office:
LITRAX USA
9 Liberty Hill Dr.
Blackstone, MA 01504
USA
www. Litrax.com
Phone (508) 876 1070
Fax (508) 883 3434
Litrax@Litrax.com

Corporate Headquarter:
LITRAX GmbH
Technopark Luzern D4
CH-6039 Root
SWITZERLAND
www. Litrax.com
Phone +41 41 450 4944
Fax +41 41 455 2021
Litrax@Litrax.com