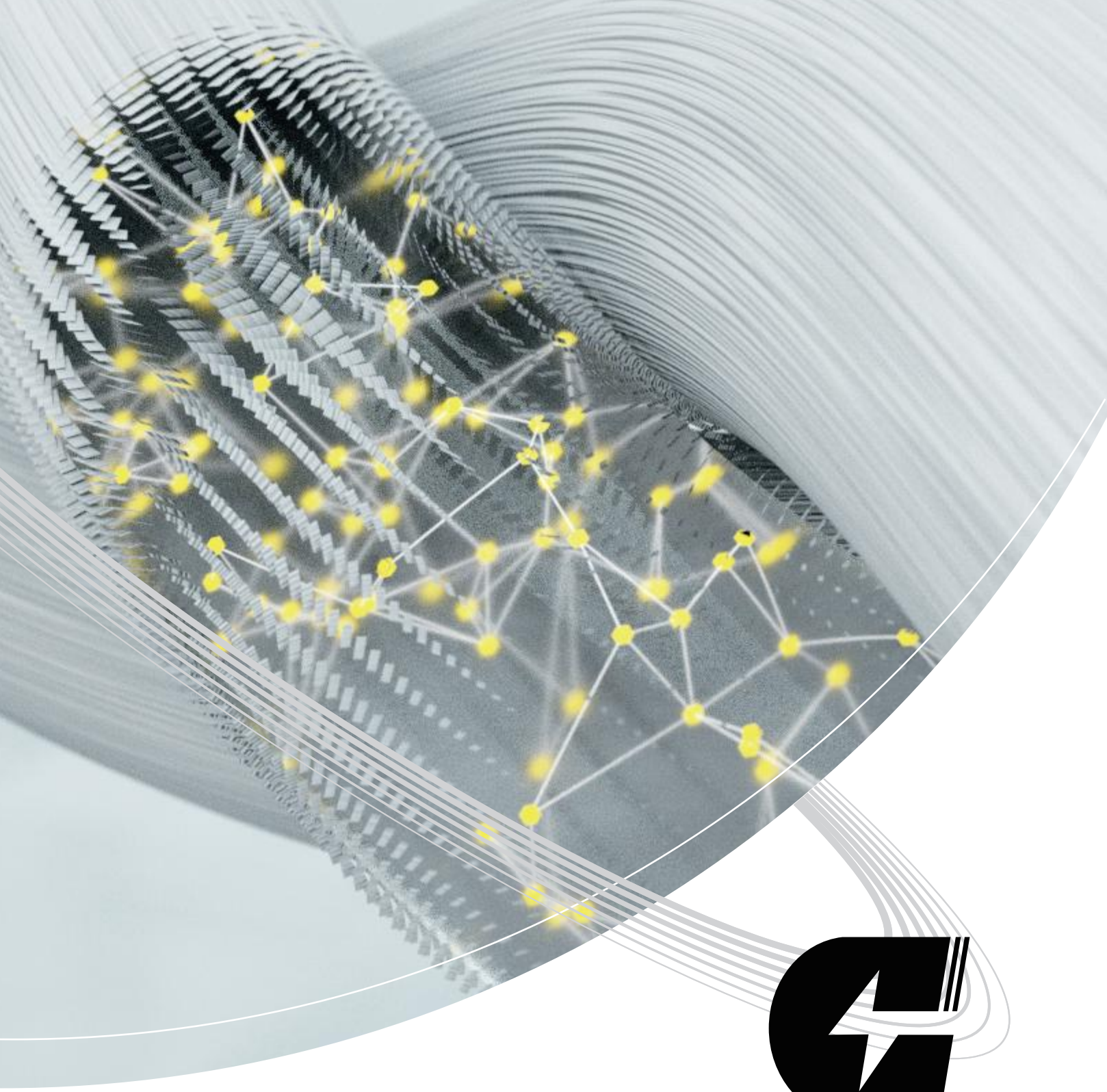


CONDEUR®

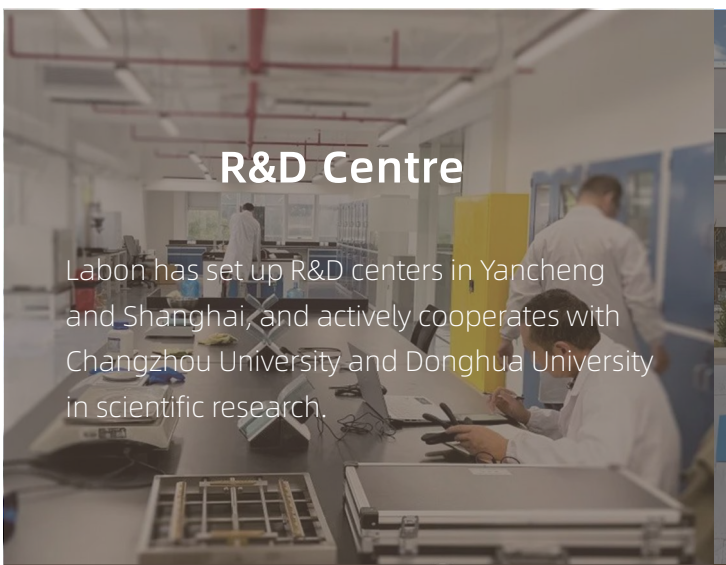
POLYMER CONDUCTIVE FIBER

Labon(Jiangsu) Technical Textile Co., Ltd.

Introduction

Labon was founded in 2005 and has emerged as a high-tech enterprise by dint of enormous scientific capability and independent intellectual property. Labon has been relentlessly committed to special fibers with breakthrough technologies as well as well-performing textile-based protection products. On the strength of its professional and tailored service, Labon further provides quality products and effective solutions in domains of safety production, engineering, etc. Labon now boasts recognition from established enterprises worldwide in the fields of industrial fibers and technical textiles.

Labon Organization

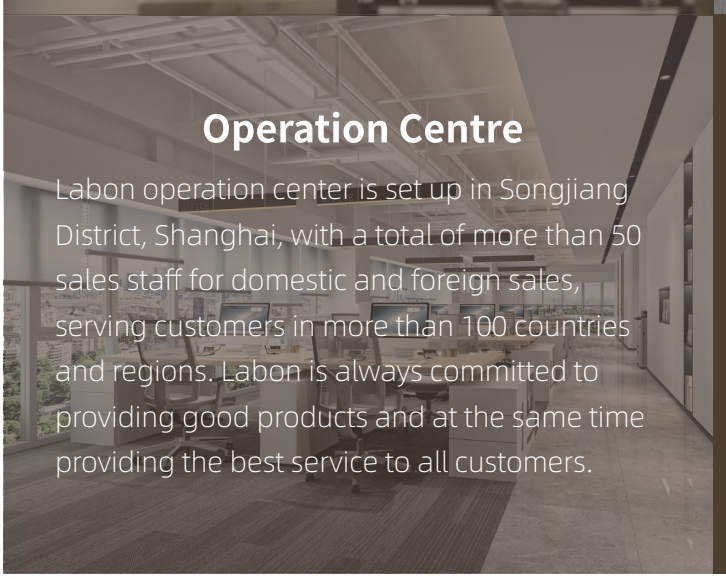


R&D Centre

Labon has set up R&D centers in Yancheng and Shanghai, and actively cooperates with Changzhou University and Donghua University in scientific research.

Production Centre

With a production system ranging from fibre manufacturing to spinning and weaving, Labon has three production bases in Yancheng City, Jiangsu Province.



Operation Centre

Labon operation center is set up in Songjiang District, Shanghai, with a total of more than 50 sales staff for domestic and foreign sales, serving customers in more than 100 countries and regions. Labon is always committed to providing good products and at the same time providing the best service to all customers.

In vigorous pursuit of innovation ,Labon has developed several technology patents with numerous brands under its belt.Upholding the principle of efficiency, acuity and responsibilty, Labon is devoted to providing better products and services to its customers around the world.

Labon Factories

With an aspiration to establish a stronger connection to the global market,Labon has set up delivery centers in South Asia and North America ,in furtherance of technical support and after-sale service for its partners.

- Production Centre
- Chinese Storage

China Labon
Yancheng, Jiangsu, China

- Fiber Processing Centre
- Overseas Storage

USA Labon
Spartanburg, SC, USA

- Sales Centre
- Overseas Storage

Pakistan Labon
Sialkot, Pakistan

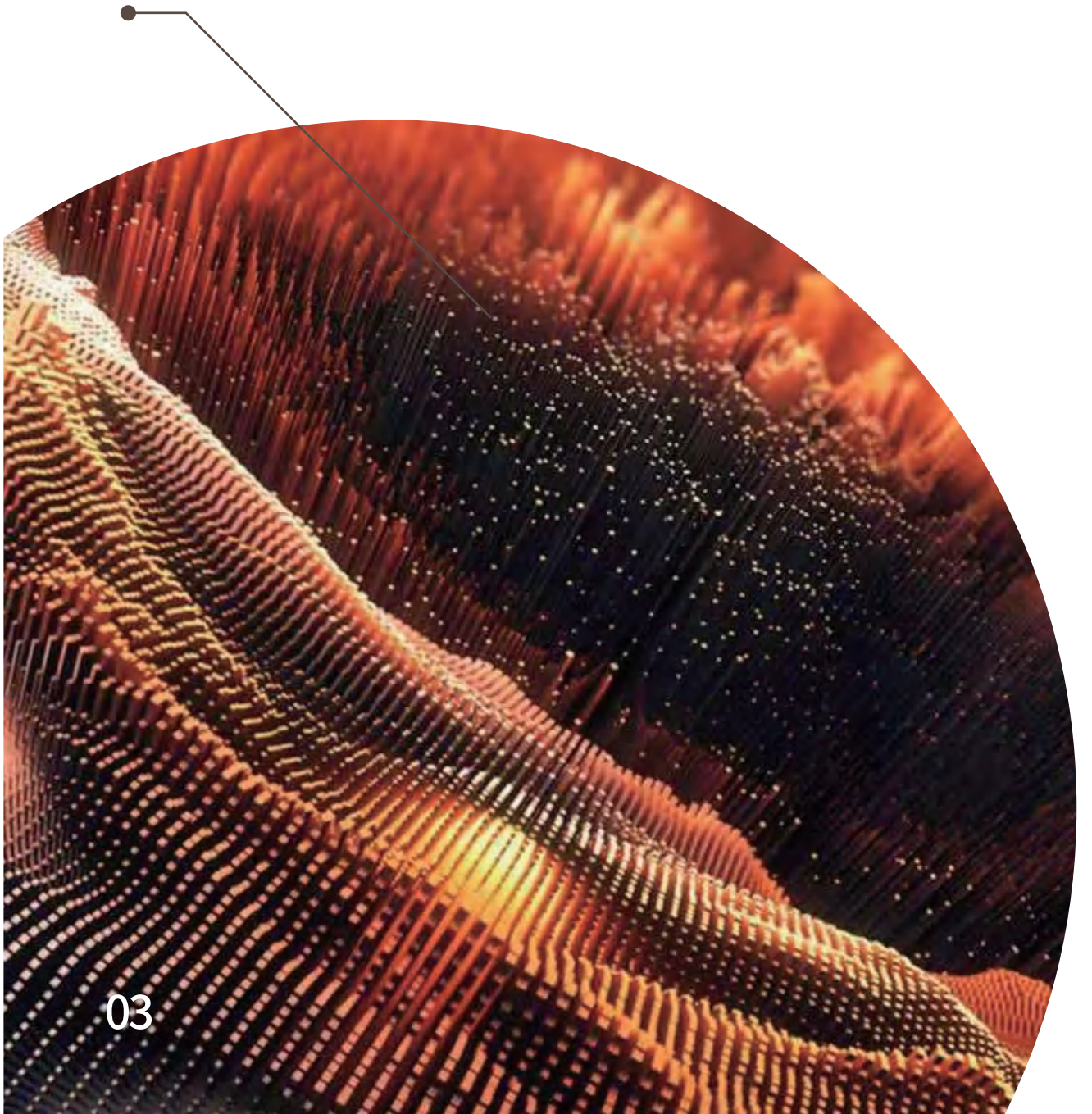
Factory Production Shop

Fiber Processing ▸ Yarn Production ▸ Dyeing Factory ▸ Weaving Factory ▸ Finishing Factory ▸ Warehousing

Labon

Function Principle

By using aramid as the matrix material,
through a special chemical preparation process,
the polymer conductive particles are embedded
in the matrix fiber,
and become a part of the matrix fiber
thereby giving the fiber good conductivity.



Labon

Specification

REF CODE	AD381	AD382	AD511	AD512
PRODUCT				
BASE MATERIAL	ARAMID	ARAMID	ARAMID	ARAMID
CONFIGURATION	○	○	○	○
CONDUCTIVE PARTICLES	POLYMER	POLYMER	POLYMER	POLYMER
COLOR	DK.OLIVE	DK.BROWN	DK.OLIVE	DK.BROWN
TENACITY	⩾15 cN/dtex	⩾15 cN/dtex	⩾15 cN/dtex	⩾15 cN/dtex
ELONGATION(%)	⩽5%	⩽5%	⩽5%	⩽5%
STAPLE FIBER SPEC.	38mm	38mm	51mm	51mm
ELECTRIC RESISTANCE	$\leqslant 10^4 \Omega \cdot cm$	$\leqslant 10^3 \Omega \cdot cm$	$\leqslant 10^4 \Omega \cdot cm$	$\leqslant 10^3 \Omega \cdot cm$
MELING POINT(%)	NO	NO	NO	NO

Features

Excellent electrical conductivity.

Electric resistance is Up to 103 Ω · cm.

Stable , durable in use.

Tested after 100 times of washing.

High friction resistant, laundry resistant, chemicals resistant.

The base material aramid fiber has acid/alkali/high temperature resistance characteristics.

Excellent flexibility and spinnability.

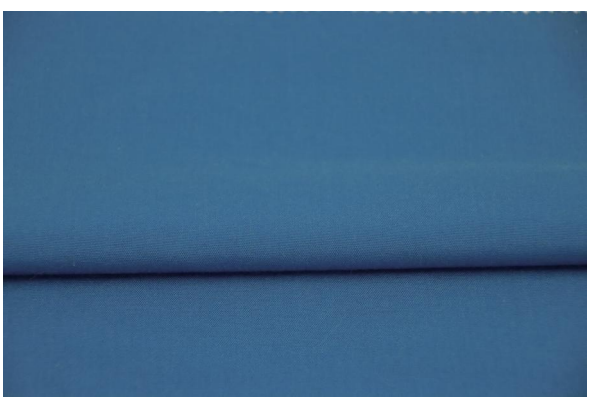
Easy to spin , blend with other fibers.

Black plaid avoided

Condeur fiber can be blended with other fibers during spining process, therefore the black plaid will be avoided.

Comparation between two anti-static fabrics:

With black plaid.



Without black plaid.

Labon

Anti-Static Fabric Test Standard

ANSI/ESD STM2.1-1997

Electrostatic Discharge Association

For the protection of electrostatic discharge susceptible items.

EN 1149-1/2/3/5

ISO TEST

Fabric electrostatic properties and the materials of protective clothing.

江苏省纺织研究所股份有限公司理化检测中心

Physical & Chemical Testing Center, Jiangsu Provincial Textile Research Institute Co., Ltd

CMA

检 验 报 告

Report of Textiles

共 1 页 第 1 页

证书编号：181011260159

地址：江苏省无锡市金城路金城桥西堍　电话：0510-85406288　0510-85405566-3033　检验编号：230001

邮编：214024　传真：0510-85406288　来样日期：2023/01/02　报告日期：2023/01/04

委托单位：上海兰邦工业纤维有限公司　来样数量：1 块

样品名称及规格：抗静电面料 兰邦 FTL002　来样方式：送样

检验结果：

序号	检 测 项 目	计量单位	检 测 结 果	检测依据
1	点对点电阻 (未经耐久洗涤)	Ω	5.8×10^{6}	GB 12014-2019 22 ℃；30%RH
2	点对点电阻 (经耐久洗涤 100 次)	Ω	3.5×10^{10}	
3	半衰期 (未经耐久洗涤)	s	0.3 (221V)	GB/T 12703.1-2008 22 ℃；30%RH
4	半衰期 (经耐久洗涤 100 次)	s	0.3 (660V)	
5	表面电阻 (未经耐久洗涤)	Ω	8.3×10^{5}	GB/T 12703.4-2010 22 ℃；30%RH
6	表面电阻 (经耐久洗涤 100 次)	Ω	5.0×10^{9}	

以 下 空 白

检测专用章

制表或主检　日期 2023.1.4　审核　日期 2023.1.4　批准　日期 2023.1.4

声明：1. 本报告仅对来样负责 2. 本报告未经试验室同意不得部分复印 3. 本报告需由制表或主检、审核、批准人员签名并加盖试验室印章后有效 4. 若对检验报告有异议，应于收到检验报告 15 日内向本试验室提出申诉，逾期或将样品领回本室不予受理 5. 检验项目打●为分包试验室检验，如有分包，则见底页 6. 检验结果不包括不确定的估计值。

CONDEUR Applications

GARMENT DAILY


DOWN WEAR


WOOL SUITS


SWEATER


OUTDOOR


DUSTING CLOTH


TELEFINGERS GLOVES

PROTECTION


FIREMAN SUIT


DUSTPROOF LAB CLOTHES


ELECTRONIC SUIT


PETROCHEMICAL PROTECTIVE CLOTHING


PROTECTING GLOVES

INDUSTRIAL


AIR BLANKET


COVERS FOR ELECTRONIC DEVICES


INTERIOR ACCESSORIES

CONDEUR

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