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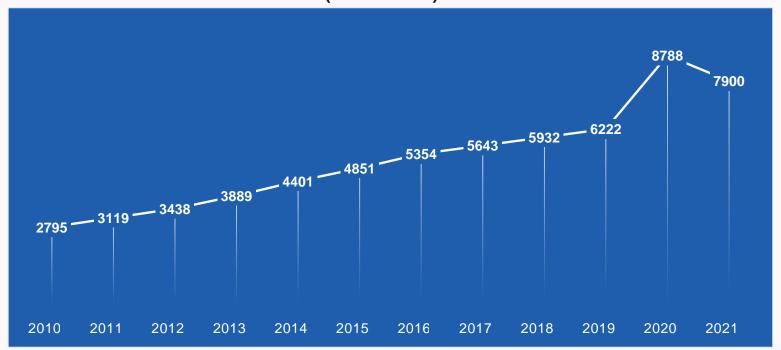
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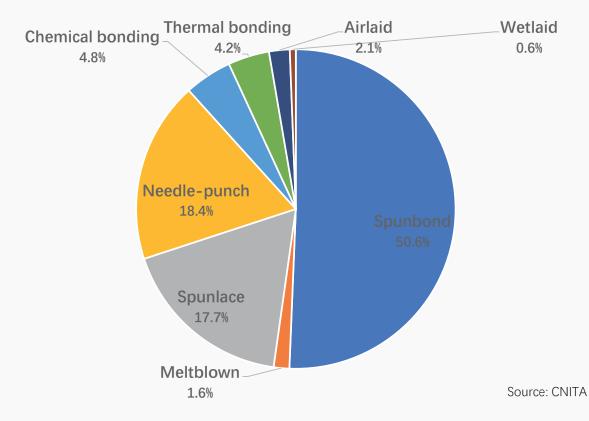
2010-2021 Output of China's Nonwovens ('000 tonnes)



Source: CNITA

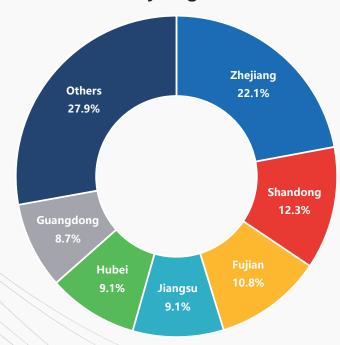






01 Production

Production by Region in 2021



• 3/4 of nonwovens production from China's eastern coastal areas and central Hubei province

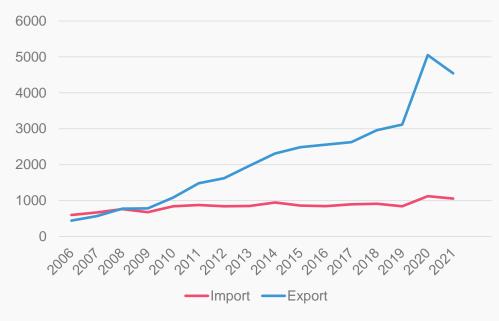
Top 10 Companies of China Nonwovens Industry in 2020/2021



 The output of these 10 companies accounts for about 10% of China's total nonwovens output.

01 Export & Import

Export & Import of China's Nonwovens (USD million)



Nonwovens Products Exports in 2021

Products	Value (USD million)	Growth Rate (%)
Nonwovens Protective Clothing	2183	-80.25
Diapers and Sanitary Napkins	2521	11.25
Wipes	629	-35.81

Compiled according to GACC's data

01 Export & Import

Major Export Countries of China's Nonwovens in 2021

Countries	Value (USD million)	Growth Rate (%)
Vietnam	456	-14.38
USA	394	-10.22
South Korea	390	-46.01
Japan	355	-5.43
Indonesia	199	-0.94
Cambodia	135	0.60
Philippines	132	16.70
Malaysia	127	10.32
Thailand	117	17.86
India	109	16.23

Compiled according to GACC's data

Share of ASEAN in China's Nonwovens Export

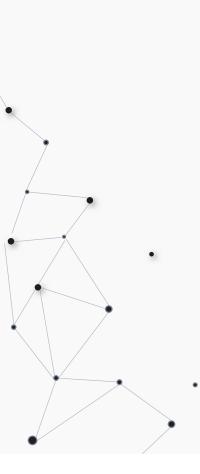


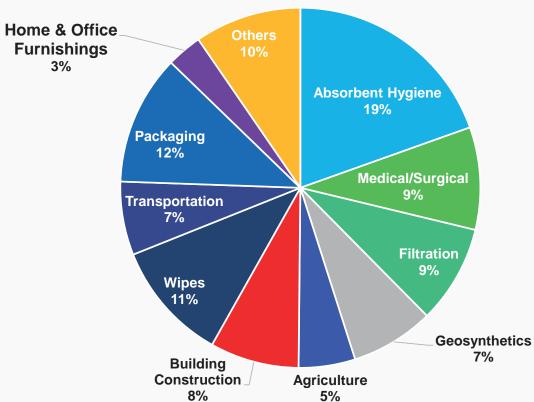
Compiled according to GACC's data

China Production Share by End-Use Market

3%







Source: CNITA



02 Innovation-Raw materials



Cotton and Wipes Made of 100% Cotton Spunlace



Hemp Fiber and Door Inner Panels Made of Hemp Fibers



Filter Made of High-performance Fibers



PLA Particles and Nonwovens Made of PLA



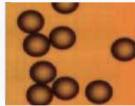
Alginate Fiber



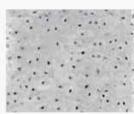
Collagen Fiber



Chitin Fibers



Nanoparticles Or Microparticles



Hydrogels



Fibrous Scaffolds



Microcapsules

02 Innovation-Equipment







Spunlace Nonwoven Production Line

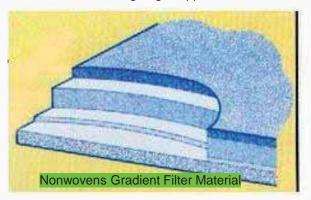


02 Innovation-Application





High-strength Coarse Denier PP Filament Needle-Punched Geotextile of Tiandingfeng is Applied to the Construction of Key Projects









Application of Electrospinning Micro-Nanofiber Nonwovens in Medical and Hygiene

02 Green Manufacturing













CNITA launched the "Green Factories Plan for Nonwovens and Industrial Textiles"

Nonwovens Green Alliance (NGA)



































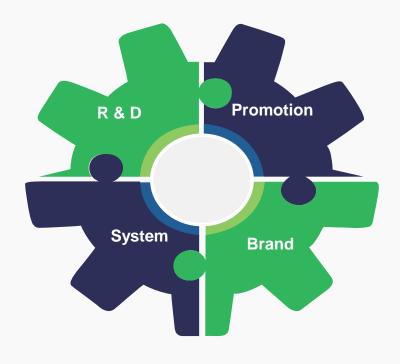












NGA's Work

Green Certification





T/CNITA 23101-2021 "Spunlace nonwovens and terminal products—Evaluation for biodegradability "





GB/T 40181-2021 "Test method and evaluation for flushability of disposable sanitary nonwoven materials"

02 Standards



GB 18401-2010 National general safety technical code for textile products



GB 50514-2020 Technical standard for nonwovens factory



GB 31701-2015 Safety technical code for infants and children textile products



GB 15979-2002 Hygienic standard for disposable sanitary products

Setting Up a Factory and Producing Nonwovens and Their Products In China is Subject to Related Standards National Standardization Administration issued GB/T 38880-2020 "Technical Specifications of Children Mask", which was developed by CNITA and its members.



03 Opportunity-Policies

The Chinese government attaches great importance to the development of the manufacturing, and ongoing to support the development of the nonwovens industry.

The guidance on high-quality development of the nonwovens industry will be released soon by the Ministry of Industry and Information Technology of China.



03 Opportunity-Market



China's Strong Domestic Market



Overseas Markets of the USA, Japan, and the EU

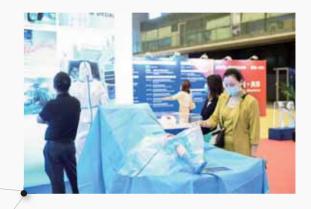


Markets in Countries Along the Belt and Road

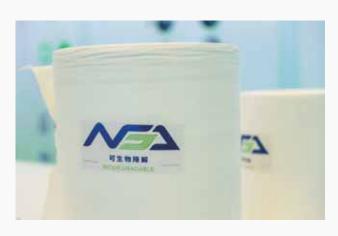
Opportunity-Technology



New Technologies will Bring New Applications and New Markets



Single-use Surgical Kits for Şterile Operating Rooms



Biodegradable Nonwovens

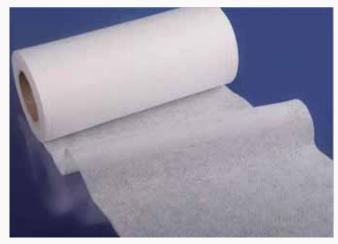


Pandemic Prevention Storage Bag for 2022 Beijing Winter Olympics

03/

Challenge-Capacity Expansion and Adjustment







The capacity of spunbond, spunlace and meltblown nonwovens has grown too fast, and the nonwovens industry has experienced structural excess.

Challenge-Environmental Issues



High energy and water consumption in some nonwovens processes.



Environmental issues caused by massive use of disposable products.



Advantages of nonwoven shopping bags?

Challenge-Brand Cultivation























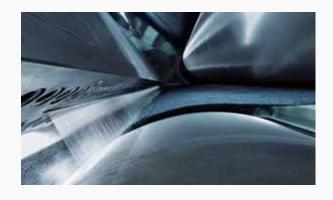




Cultivating nonwovens companies and end-use products brands with global influence will further boost the development of China's nonwovens industry.



High-quality and High-performance Nonwovens



- Development of ultra-low gram weight, high-uniformity, high-fluffy, ultra-soft, bicomponen spunbond nonwovens.
- Optimization of electrospinning equipment and production process.
- > Realization of Industrialization of flash spinning nonwoven technology.

- Development of cotton spunlace nonwovens and flushable nonwovens.
- Realization of technology industrialization of wood-pulp based meltblown nonwovens and wood-pulp based spunlace nonwovens.
- Development of environmentally friendly nonwovens.

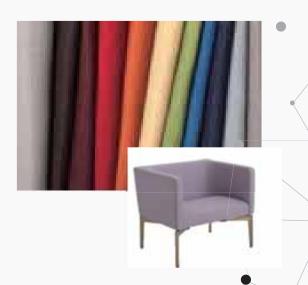


04

Recycling and Reusing of Waste Textiles







Nonwovens Products Made from Waste Textiles

04 Main Events



The 16th China International Trade Fair for Technical Textiles and Nonwovens (CNITE)

September 6-8, 2022 Shanghai



The 10th China International Nonwovens Conference September 6-8, 2022 Shanghai



Asia Wipes Summit 2022 July 2022 Shanghai



The First China Nonwovens and Industrial Textiles
Technology Development Conference
June 2022 Shanghai



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