

## 2019 ANFA General/Board Meeting

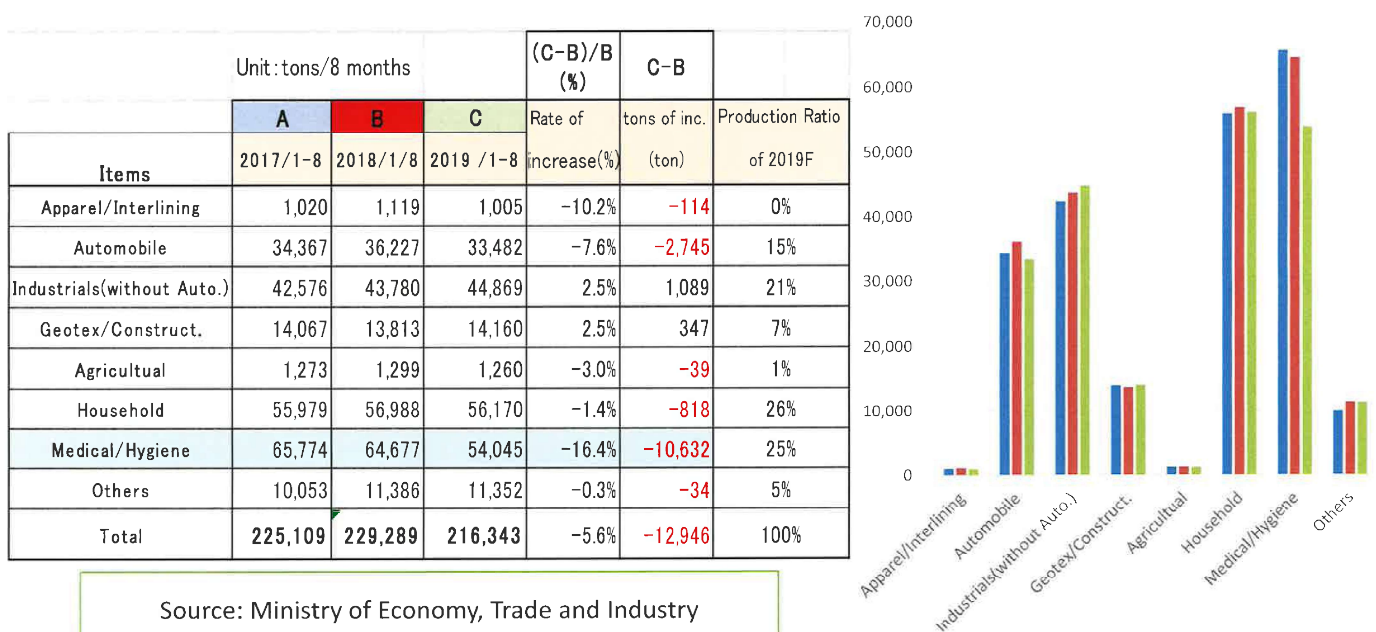
# Recent situation in Japan

ANNA :183 members

Secretary General of All Nippon  
Nonwovens Association(ANNA)  
Toshiaki HOKUDOH  
北洞(ホクドウ) 俊明

November,6 ,2019

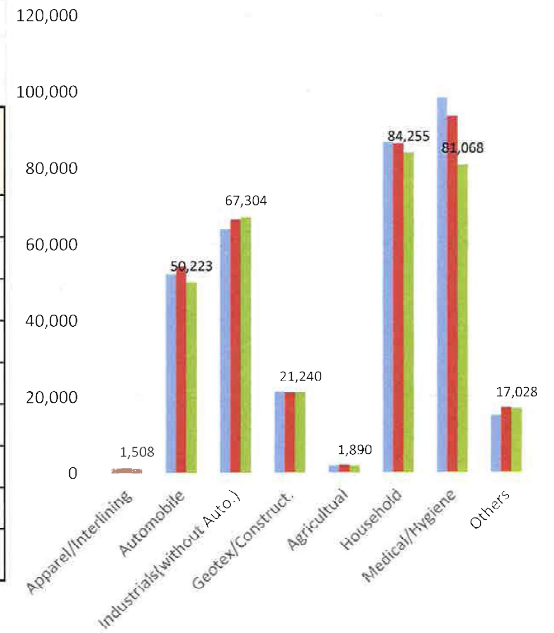
## Production(8 months ) by Application



# Annual Production (tons/year) by Application

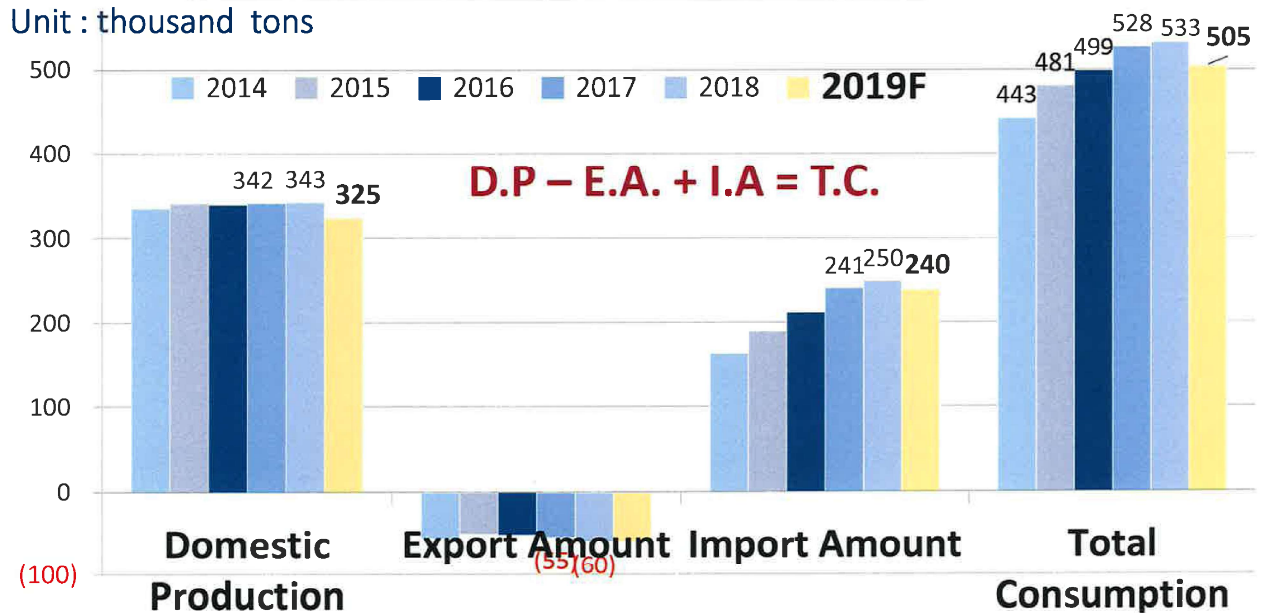
Items	Unit: tons/Year			(C-B)/B (%)	C-B	Production Ratio of 2019F
	A	B	C	Rate of increase(%)	tons of inc. (ton)	
	2017	2018	2019 F			
Apparel/Interlining	1,615	1,617	1,508	-6.8%	-110	0%
Automobile	52,365	54,267	50,223	-7.5%	-4,044	15%
Industrials(without Auto.)	64,052	66,536	67,304	1.2%	768	21%
Geotex/Construct.	21,514	21,043	21,240	0.9%	197	7%
Agricultural	1,926	2,020	1,890	-6.4%	-130	1%
Household	86,962	86,484	84,255	-2.6%	-2,229	26%
Medical/Hygiene	98,609	93,637	81,068	-13.4%	-12,570	25%
Others	15,065	17,226	17,028	-1.1%	-198	5%
<b>Total</b>	<b>342,108</b>	<b>342,830</b>	<b>324,515</b>	<b>-5.3%</b>	<b>-18,316</b>	<b>100%</b>

Ref: C = Real Production Data \* 12/8

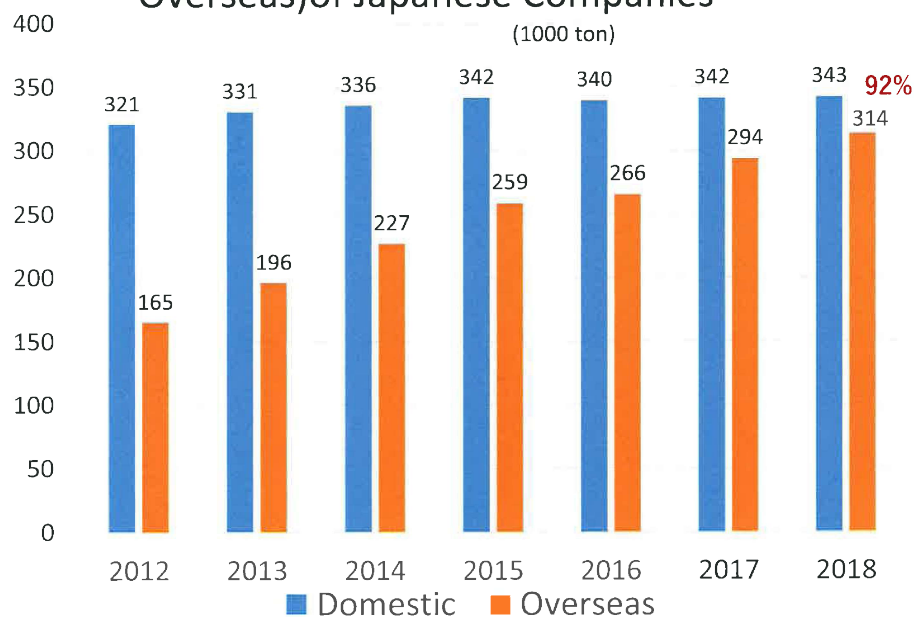


## Total consumption of Japan

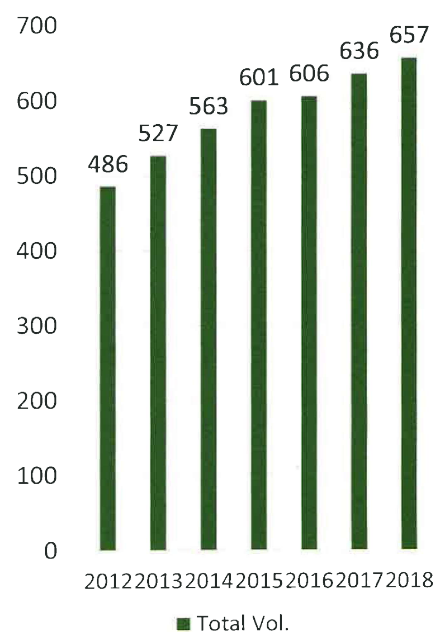
Unit: thousand tons



## Production Volume (Domestic & Overseas) of Japanese Companies



## Total Volume (=Domestic + Overseas)

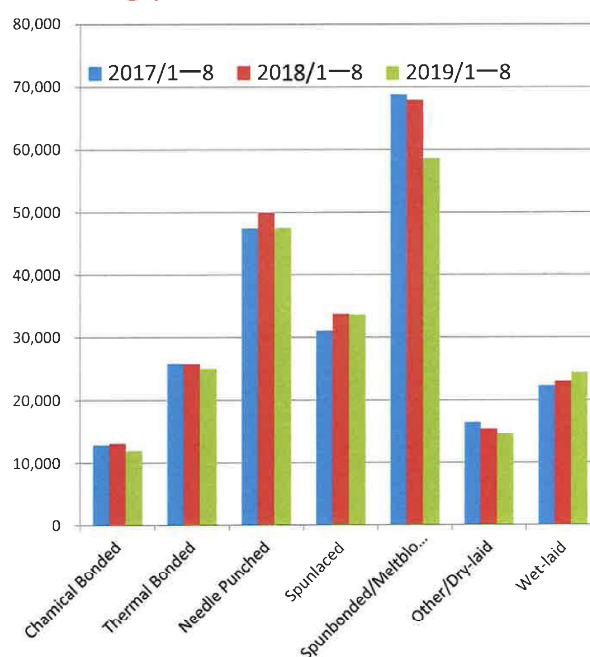


## Production(8 months) by Technology

	A	B	C	Rate of
	2017/1-8	2018/1-8	2019/1-8	increase(%)
Chemical Bonded	12,954	13,149	12,104	-7.9%
Thermal Bonded	25,771	25,666	24,994	-2.6%
Needle Punched	47,500	50,055	47,568	-5.0%
Spunlaced	31,067	33,880	33,818	-0.2%
Spunbonded/Meltblow	68,826	67,934	58,710	-13.6%
Other/Dry-laid	16,566	15,543	14,700	-5.4%
Wet-laid	22,425	23,063	24,449	6.0%
Total(ton/8months)	225,109	229,290	216,343	-5.6%

(C-B)/B

Source: Ministry of Economy, Trade and Industry



Thank you

以上



# 2019 Taiwan Nonwoven

1

## Outline

1. Export & Import Value
2. Export & Import Top 5 Countries
3. Produce
4. Application
5. TNFIA activities and events

2

# Export and Import 2009~2018

(including Re-shipment)

	EXPORT				IMPORT			
	1000 USD	growth %	TONS	growth %	1000 USD	growth %	TONS	growth %
2009	244,224	-11.14%	66,358	-4.18%	81,280	-6.26%	19,430	-2.47%
2010	291,215	19.24%	73,616	10.94%	114,780	41.22%	27,108	39.52%
2011	322,161	10.63%	71,556	-2.80%	149,970	30.66%	31,351	15.65%
2012	324,157	0.62%	74,010	3.43%	130,272	-13.13%	27,778	-11.40%
2013	338,541	4.44%	82,289	11.19%	122,246	-6.16%	26,579	-4.32%
2014	369,531	9.15%	93,411	13.52%	122,628	0.31%	26,712	0.50%
2015	378,072	2.31%	93,960	0.59%	110,350	-10.01%	24,702	-7.52%
2016	372,526	-1.47%	98,160	4.47%	103,198	-6.48%	26,595	7.66%
2017	407,290	9.33%	105,993	7.98%	103,304	0.10%	26,100	-1.86%
<b>2018</b>	<b>423,872</b>	<b>4.07%</b>	<b>103,777</b>	<b>-2.09%</b>	<b>111,395</b>	<b>7.83%</b>	<b>27,492</b>	<b>5.33%</b>

3

## Top 5 Countries EXPORT & IMPORT (1000USD/yr)

Export	2013	2014	2015	2016	2017	2018	成長率
1 China	93,861	102,464	103,429	94,928	105,182	110,752	5.30%
2 Japan	49,724	48,913	54,978	52,157	59,794	62,474	4.48%
3 Vietnam	36,433	39,515	38,812	42,304	45,911	52,358	14.04%
4 USA	18,002	25,628	34,473	41,652	41,674	41,985	0.75%
5 Korea	15,938	14,154	10,363	13,222	19,759	19,016	-3.76%
<b>SUM</b>	213,959	230,674	242,055	244,263	272,320	286,585	5.24%

Import	2013	2014	2015	2016	2017	2018	成長率
1 China	54,231	57,660	53,011	52,480	57,630	68,394	18.68%
2 Japan	24,324	21,223	16,402	16,045	15,155	16,846	11.16%
3 USA	14,181	14,378	18,691	14,729	9,827	9,725	-1.04%
4 Korea	16,489	11,673	7,870	6,872	9,157	5,118	-44.11%
5 Luxembourg	100	100	92	104	142	136	-4.23%
<b>SUM</b>	109,325	105,034	96,066	90,230	91,911	100,219	9.04%

4

## Top 5 Countries EXPORT & IMPORT (Tons/yr)

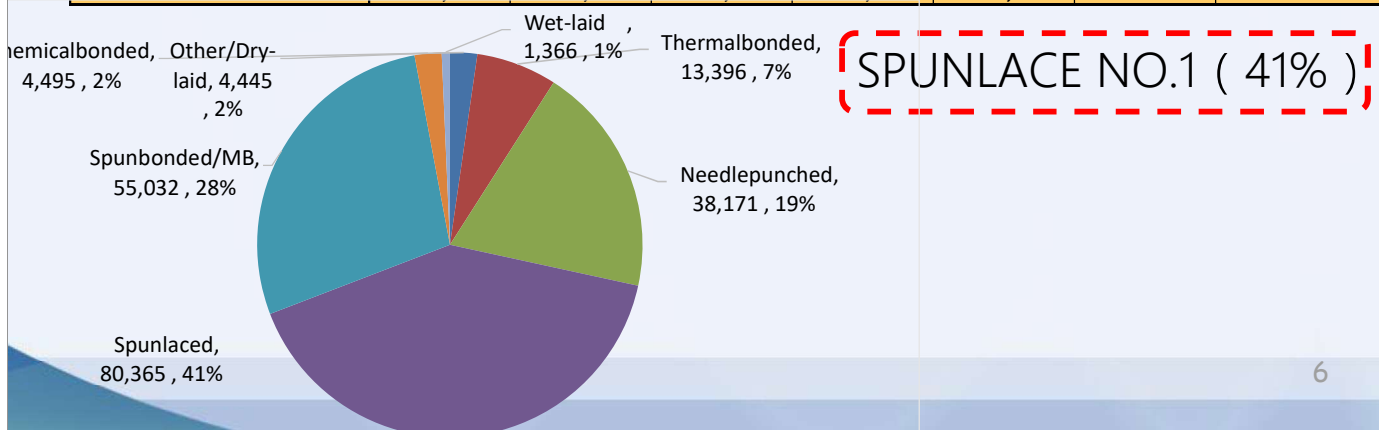
Export	2013	2014	2015	2016	2017	2018	成長率
1 China	21,250	23,451	23,017	22,985	25,764	26,034	1.05%
2 Japan	14,591	14,363	16,668	15,484	18,256	18,840	3.20%
3 Vietnam	7,526	8,288	7,911	9,441	10,576	11,192	5.82%
4 USA	4,799	6,928	9,138	11,341	10,167	10,563	3.89%
5 Korea	4,864	3,837	2,552	3,762	5,659	4,988	-11.86%
<b>SUM</b>	<b>53,030</b>	<b>56,867</b>	<b>59,286</b>	<b>63,013</b>	<b>70,422</b>	<b>71,617</b>	<b>1.70%</b>

Import	2013	2014	2015	2016	2017	2018	成長率
1 China	17,465	18,957	17,255	18,847	19,071	21,022	10.23%
2 Japan	1995.601	1,724	1,642	1,784	1,706	1,893	10.96%
3 Vietnam	7526	8,288	7,911	9,441	10,576	11,192	5.82%
4 USA	1,614	1,288	1,680	1,838	1,380	1,277	-7.46%
5 Korea	3,018	1,816	1,436	1,183	1,439	812	-43.57%
<b>SUM</b>	<b>31,618</b>	<b>32,074</b>	<b>29,924</b>	<b>33,092</b>	<b>34,172</b>	<b>36,196</b>	<b>5.92%</b>

5

## Produce of TAIWAN 2013-2018

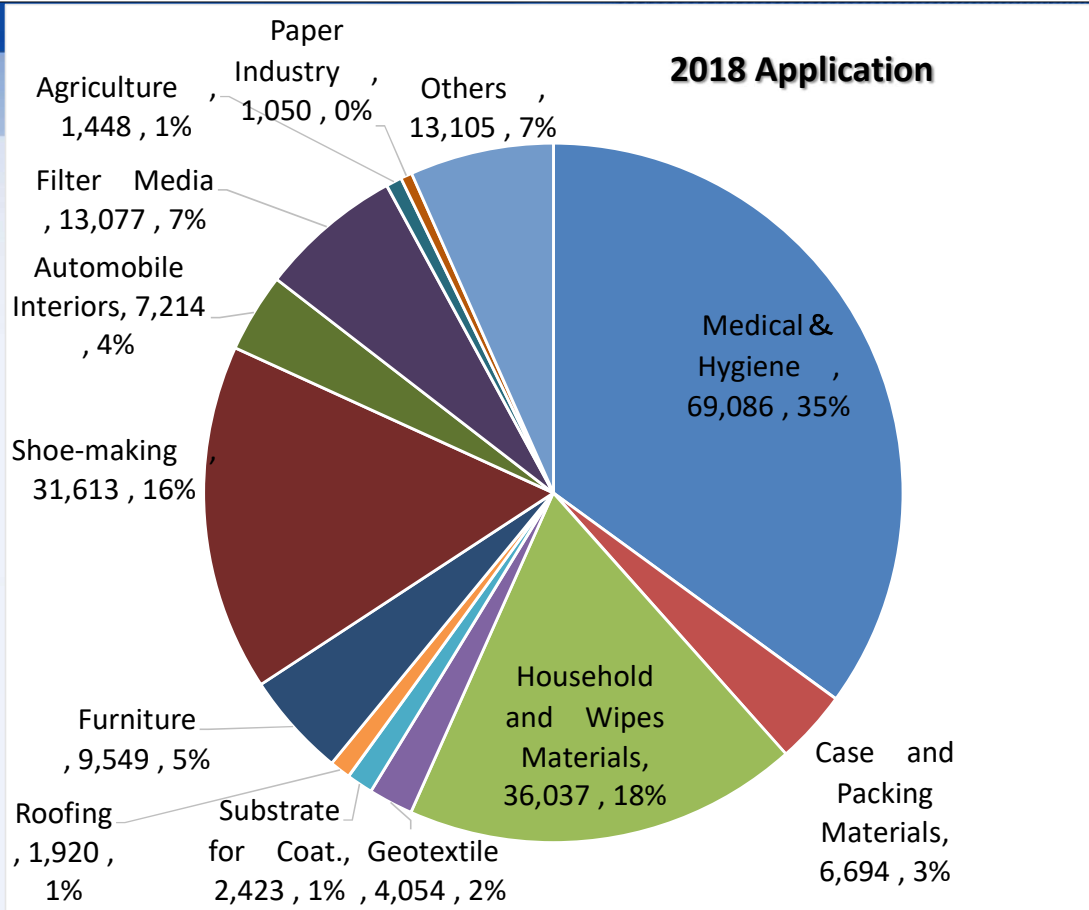
	2013	2014	2015	2016	2017	2018	2018/2017 (%)
	tons/yr.	tons/yr.	tons/yr.	tons/yr.	tons/yr.	tons/yr.	(%)
Chemicalbonded	9,132	8,509	12,340	6,737	7,218	4,495	-37.73
Thermalbonded	9,781	11,980	11,011	10,811	13,781	13,396	-2.79
Needlepunched	36,237	37,310	38,367	37,681	34,424	38,171	10.88
Spunlaced	48,250	74,774	69,097	66,686	80,359	80,365	0.01
Spunbonded/MB	35,184	39,924	42,682	57,035	57,279	55,032	-3.92
Other/Dry-laid	13,730	8,205	8,860	7,663	5,993	4,445	-25.83
Wet-laid	833	833	1,366	1,366	1,366	1,366	0
<b>Total</b>	<b>153,147</b>	<b>181,535</b>	<b>183,723</b>	<b>187,979</b>	<b>200,420</b>	<b>197,270</b>	<b>-1.57</b>



6

# APPLICATION 2013~2018

(Application item)	2013	2014	2015	2016	2017	2018	2018/2017(%)
	tons/yr.	tons/yr.	tons/yr.	tons/yr.	tons/yr	tons/yr	
Medical & Hygiene	23,214	58,823	57,785	69,267	71,084	69,086	-2.81
Case and Packing Materials	2,350	1,950	2,712	5,765	7,042	6,694	-4.94
Household and Wipes Materials	47,420	38,892	37,244	29,170	36,455	36,037	-1.15
Geotextile	6,555	1,160	3,085	3,130	3,161	4,054	28.25
Substrate for Coat.	3,152	4,744	4,105	3,460	2,035	2,423	19.07
Roofing	4,582	2,836	2,045	1,816	3,824	1,920	-49.79
Furniture	21,935	5,342	9,418	9,273	9,887	9,549	-3.42
Shoe-making	20,166	20,690	26,367	26,893	30,345	31,613	4.18
Automobile Interiors	4,541	13,519	6,942	8,840	8,488	7,214	-15.01
Filter Media	3,729	9,256	11,056	11,094	13,373	13,077	-2.21
Agriculture	658	1,485	1,542	1,496	1,707	1,448	-15.17
Paper Industry	833	865	218	196	446	1,050	135.43
Others	14,011	21,973	21,204	17,579	12,573	13,105	4.23
<b>Total</b>	<b>153,146</b>	<b>181,535</b>	<b>183,723</b>	<b>187,979</b>	<b>200,420</b>	<b>197,270</b>	<b>-1.57</b>



**Medical & Hygiene NO.1 ( 35% )**



# 2019 activities and events

1. IDEA19 -Global Nonwovens Summit (GNS)
2. Training course
3. ISO 9073 Textiles Test methods for nonwovens.  
Part 1 ~ Par10 to CNS 5610 Textiles Test methods for nonwovens. Part 1 ~ Par10
4. Plastics Issue Conference

9

## Thank You

TAIWAN NONWOVEN FABRICS INDUSTRY ASSOCIATION  
5 F No.30 Nan-King W. Rd. Taipei Taiwan 10352  
TEL : 886-2-25580516 FAX : 886-2-25527330  
E-MAIL : [tnfiaroc@ms24.hinet.net](mailto:tnfiaroc@ms24.hinet.net)  
Website : <http://www.nonwoven.org.tw>

10



## Outlooks of

# ➔ Korea Nonwoven Industry (2014~2018)

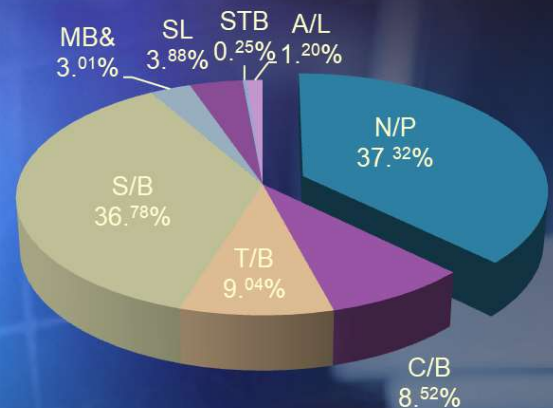
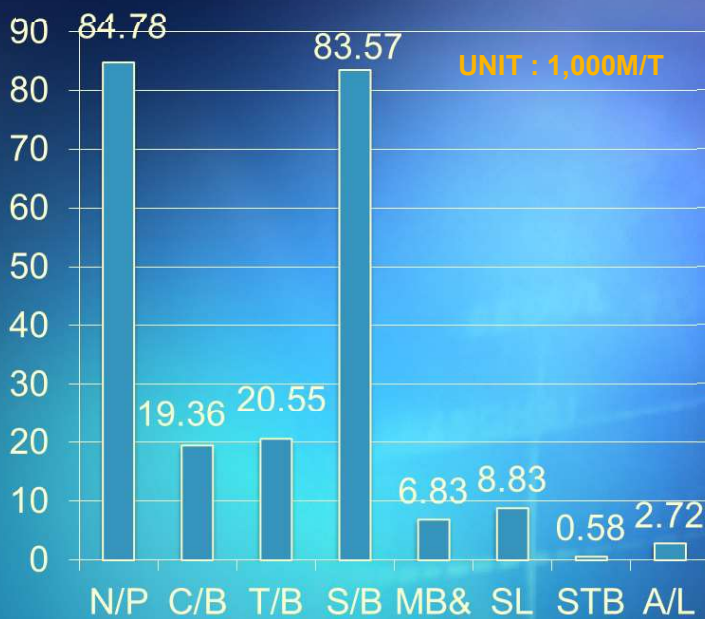
[www.nonwoven.co.kr](http://www.nonwoven.co.kr)

# ➔ Production (Domestic)

UNIT : 1,000Kg(Ton)

SORT		Domestic( )				
		2014	2015	2016	2017	2018
Needle Punching		83,209	80,655	84,123	84,148	84,785
Chemical-Bonded	Spray	12,537	12,300	12,829	12,961	12,930
	Dipping	6,245	6,120	6,383	6,448	6,433
<subtotal>		<18,782>	<18,420>	<19,212>	<19,409>	<19,363>
Thermal-Bonded		20,525	19,550	20,390	21,441	20,551
Spun-Bonded	P.P	56,764	55,650	58,043	58,640	58,500
	PET	24,630	23,850	24,878	25,134	25,074
<subtotal>		<81,394>	<79,500>	<82,921>	<83,774>	<83,574>
Melt -Blown & Electro-Spinning		6,080	6,500	6,779	6,848	6,832
Spun-Lace		7,979	8,400	8,761	8,854	8,830
Stitch-Bonded		790	550	573	579	578
Air-Laid		2,593	2,590	2,701	2,729	2,722
<Total>		221,352	216,165	225,460	227,782	227,235

# Production (Domestic)



## ★REMARK★

- ◇1.N/P : Needle Punching ◇2. C/B : Chemical Bonded ◇3.T/B : Thermal-Bonded ◇4.S/B : Spun Bonded  
 ◇5. MB & : Melt -Blown & Electro-Spinning ◇6.SL : Spun-Lace ◇7.STB : Stitch-Bonded ◇8.A/L : Air-Laid

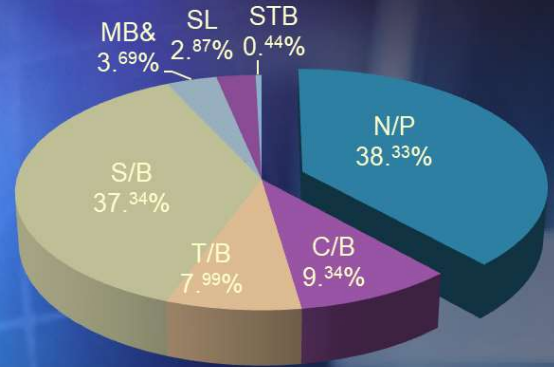
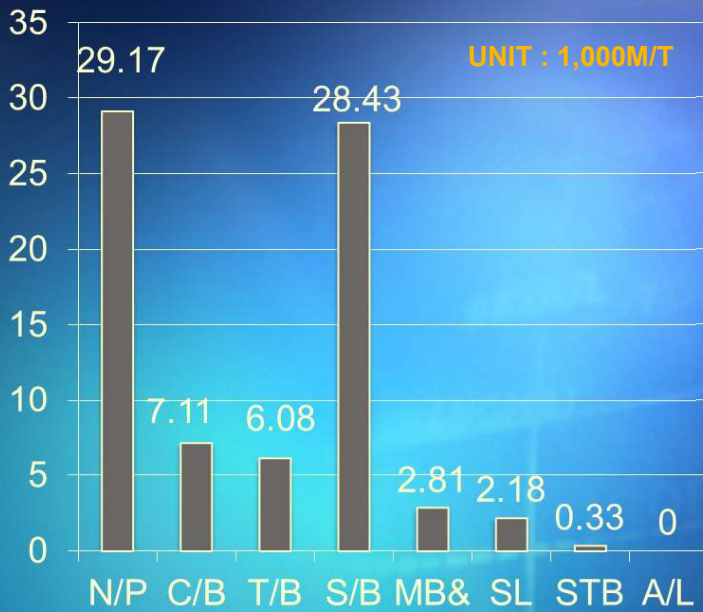
# Production (Export)

UNIT : 1,000Kg(Ton)

SORT	Export( )					
	2014	2015	2016	2017	2018	
Needle Punching	30,773	27,850	24,496	25,112	29,175	
Chemical-Bonded	Spray	5,887	5,328	4,686	4,957	5,760
	Dipping	1,383	1,252	1,101	1,165	1,352
<subtotal>	<7,270>	<6,580>	<5,787>	<6,122>	<7,112>	
Thermal-Bonded	6,222	5,631	4,953	5,239	6,084	
Spun-Bonded	P.P	19,350	17,512	15,412	17,103	19,870
	PET	8,711	7,920	6,966	7,369	8,561
<subtotal>	<28,061>	<25,432>	<22,378>	<24,472>	<28,431>	
Melt-Blown & Electro-Spinning	2,880	2,604	2,290	2,422	2,814	
Spun-Lace	2,233	2,021	1,777	1,881	2,186	
Stitch-Bonded	341	309	272	288	334	
Air-Laid	0	0	0	0	0	
<Total>	77,780	70,427	61,953	65,536	76,138	



# Production(Export)



★REMARK★

- ◇1.N/P : Needle Punching ◇2. C/B : Chemical Bonded ◇3.T/B : Thermal-Bonded ◇4.S/B : Spun Bonded
- ◇5. MB & : Melt -Blown & Electro-Spinning ◇6.SL : Spun-Lace ◇7.STB : Stitch-Bonded ◇8.A/L : Air-Laid



# Market Total



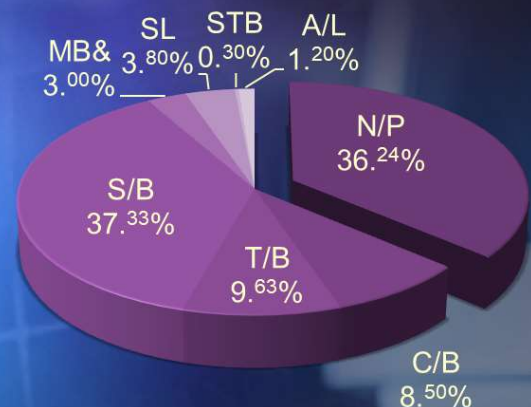
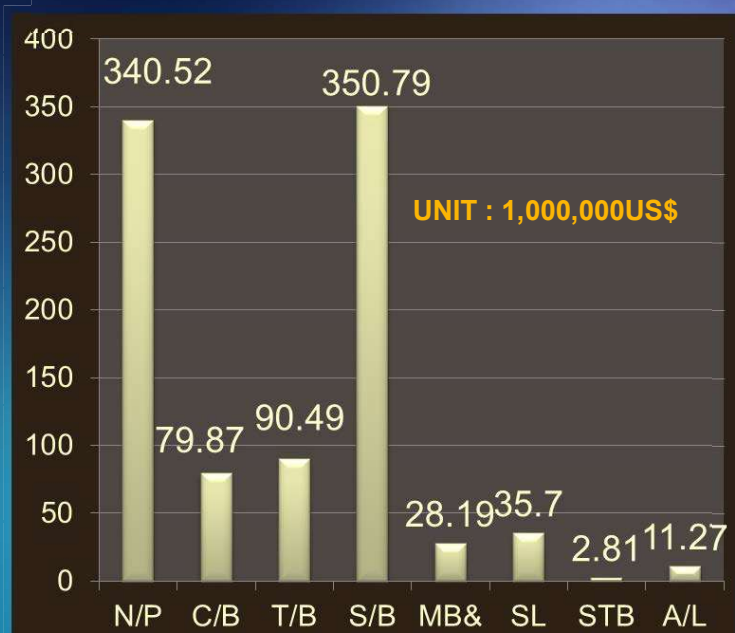
# Production (Domestic)

UNIT : 1,000US\$

SORT	Domestic(Money)					
	2014	2015	2016	2017	2018	
Needle Punching	320,753	310,781	347,764	341,346	340,527	
Chemical-Bonded	Spray	48,284	47,492	53,143	53,690	53,561
	Dipping	24,056	23,329	26,105	26,374	26,311
<subtotal>	<72,340>	<70,821>	<79,248>	<80,064>	<79,872>	
Thermal-Bonded	78,909	75,820	84,842	90,716	90,498	
Spun-Bonded	P.P	218,984	214,964	240,548	248,026	247,431
	PET	94,946	91,651	102,557	103,613	103,364
<subtotal>	<313,930>	<306,615>	<343,105>	<351,639>	<350,795>	
Melt-Blown/ Electro Spinning	23,374	24,996	27,970	28,258	28,190	
Spun-Lace	30,711	31,662	35,429	35,794	35,708	
Stitch-Bonded	3,071	2,499	2,796	2,825	2,818	
Air-Laid	9,981	9,998	11,187	11,302	11,275	
<Total>	853,069	833,192	932,341	941,944	939,683	

KNIC

# Production (Domestic)



★REMARK★

- ◇1.N/P : Needle Punching ◇2. C/B : Chemical Bonded ◇3./T/B : Thermal-Bonded ◇4.S/B : Spun Bonded  
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KNIC

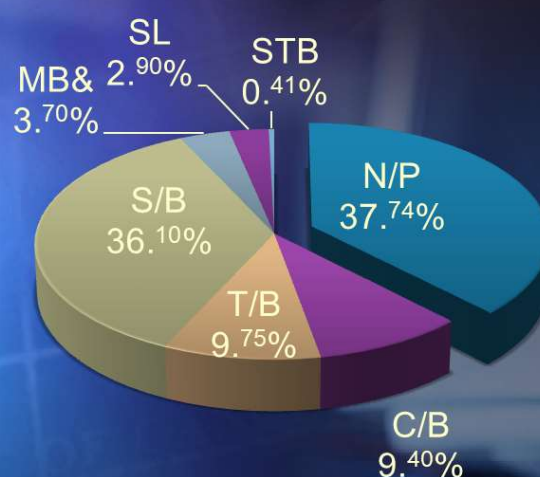
# Production (Export)

UNIT : 1,000US\$

SORT	Export(Money)					
	2014	2015	2016	2017	2018	
Needle Punching	159,997	158,156	157,950	150,903	161,655	
Chemical-Bonded	Spray	30,617	30,430	30,390	30,381	32,547
	Dipping	7,199	7,207	7,197	7,195	7,707
<subtotal>	<37,816>	<37,637>	<37,587>	<37,576>	<40,254>	
Thermal-Bonded	32,355	32,032	31,990	38,980	41,759	
Spun-Bonded	P.P	100,624	99,698	99,602	99,572	106,667
	PET	45,297	44,844	44,785	44,772	47,961
<subtotal>	145,921	144,542	<144,387>	<144,344>	<154,628>	
Melt-Blown/Electro-Spinning	14,964	14,815	14,795	14,791	15,845	
Spun-Lace	11,608	11,612	11,597	11,594	12,420	
Stitch-Bonded	1,779	1,601	1,599	1,597	1,710	
Air-Laid	0	0	0	0	0	
<Total>	404,440	400,395	399,905	399,785	428,271	

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# Production(Export)



## ★REMARK★

- ◇1.N/P : Needle Punching ◇2. C/B : Chemical Bonded ◇3.T/B : Thermal-Bonded ◇4.S/B : Spun Bonded  
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# Market Total

UNIT : 1,000,000US\$



## Korea Nonwoven Industry (2014~2018)



# Thank You!

[www.nonwoven.or.kr](http://www.nonwoven.or.kr)



# ANEX 2021

ASIA NONWOVENS EXHIBITION AND CONFERENCE

COMBINED WITH



**MAY, 2021**  
**SHANGHAI, CHINA**  
**SHANGHAI NEW INTERNATIONAL EXPO CENTRE**

**ORGANISED BY**



**MANAGED BY**



**SUPPORTED BY**



Information Classification: General

## **ANFA** Asia Nonwoven Fabrics Association

- Asia Nonwoven Fabrics Association (ANFA) is the only international trade association, which represents the nonwovens industry in Asia both in name and substances, to contribute to healthy growth of nonwovens-related industries in Asia.
- ANFA has more than 300 members companies, presenting the primary companies of global or Asian nonwovens industry from Japan, China, Taiwan, Korea, Hong Kong, India, Thailand, Indonesia, Pakistan, etc. countries and areas.
- Since the establishment, ANFA has made a great contribution to the sound growth of the nonwovens industry all over the Asia region. Besides, representing Asia, ANFA keeps a close linkage with INDA in North America and EDANA in Europe. With the ongoing globalization, Asian regions are the centre of worldwide attention in the point of view of the highest increase in production volume of nonwovens and the market extending. The production volume has already gone beyond the scale comparable with North America and Europe, and share about 50% in the world
- Also, ANFA has successfully held ANEX (Asia Nonwovens Exhibition & Conference) and ANFA Nonwovens Conferences, and will hold ANEX2021 in May 2021 in Shanghai.
- ANFA will surely give you a helping hand in sourcing your requirements from Asia and in marketing your products into Asia.

Information Classification: General

# Overview of Informa Market

## the combination of Informa and UBM

UBM plc was the largest pure-play B2B Events organiser in the world. Our 3,750+ people, based in more than 20 countries, served more than 50 different sectors - from consumer goods to industrial.

Informa is a leading business intelligence, academic publishing, knowledge and event business, operating within knowledge and information economy. We are listed on London stock exchange and we are a member of the FTSE100.

- Starting from 18 June 2018, UBM became part of Informa PLC



Informa combined UBM, to create a leading B2B information services group

# Informa Markets Today

Informa Markets, a united brand identity, launches to create the world's leading exhibitions organizer.

Informa Markets create platform for industries and specialist markets to trade, innovate and grow. Through more than 550 international B2B brands, we provide opportunities to engage, experience and do business via face-to-face exhibitions, specialist digital content and actionable data solutions.



30+  
countries

20+  
offices

4,400+  
Colleagues



#1  
exhibition organiser

+550  
B2B brands

# Depth Specialist in B2B Brands - China

## Lifestyle



## Building and Construction



## Medical



## Technology



## Industrial





## Depth Specialist in B2B Brands – 15 Market Sectors

<p><b>Agriculture</b></p>	<p><b>Aviation &amp; Aerospace</b></p>	<p><b>Beauty &amp; Aesthetics</b></p>	<p><b>Culture &amp; Lifestyle</b></p>	<p><b>Design &amp; Furniture</b></p>
<p><b>Energy, Utilities &amp; Resources</b></p>	<p><b>Fashion &amp; Apparel</b></p>	<p><b>Health &amp; Nutrition</b></p>	<p><b>Healthcare &amp; Pharmaceuticals</b></p>	<p><b>Hospitality, Food &amp; Beverage</b></p>
<p><b>Infrastructure, Construction &amp; Real Estate</b></p>	<p><b>Jewellery</b></p>	<p><b>Manufacturing, Machinery &amp; Equipment</b></p>	<p><b>Maritime, Transportation &amp; Logistics</b></p>	<p><b>Media &amp; Entertainment</b></p>

Information Classification: General

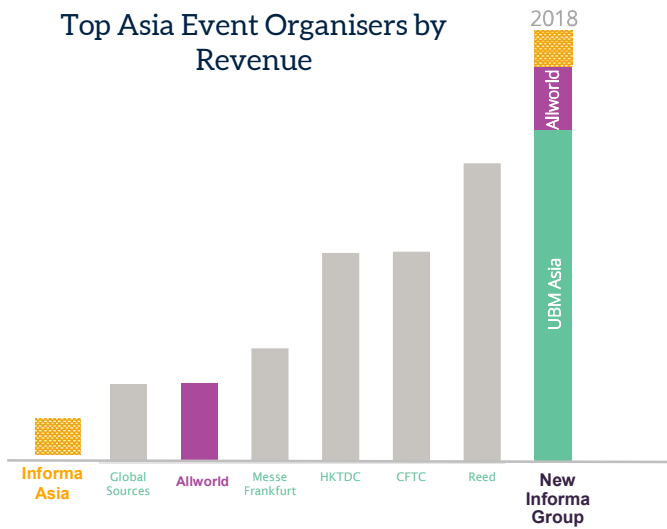
## China offices



Information Classification: General

# Overview of Informa and UBM business

Top Asia Event Organisers by Revenue



Source: BSG "The Trade Fair Industry in Asia 2016", AMR Globex 2016, Messe Frankfurt Annual Report 2015. Reed Exhibitions revenue above reflects total Reed events revenue in "Emerging Markets". CCPIT (ranked by BSG as the 6<sup>th</sup> largest operator in Asia) revenue not available and therefore not presented above.

- #1 Organiser in Asia
- #1 Organiser in SE Asia
- #1 Commercial Organiser in China
- #1 Organiser in India

\* 2Q18 figure including Allworld, GE Asia & iJVs



**ANEX2021 combined with SINCE2021 is pre-destined a successful event again**

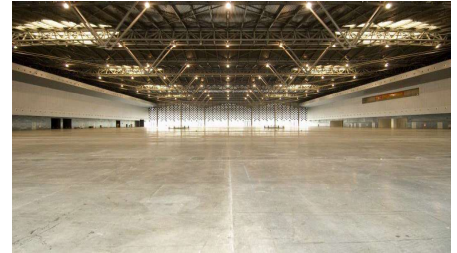
**The estimate key figures of ANEX2021**

**Exhibitor numbers: 750**

**Exhibition space gross: 40,000 sqm**

**Visitors numbers: 40,000**

## MODERN VENUE FACILITIES



Information Classification: General

## TRAFFIC CONNECTIONS

- 2 INTERNATIONAL AIRPORTS
- 24 HOURS FLIGHTS FROM WORLDWIDE
- 3 HIGHSPEED TRAIN STATIONS
- FASTEST TRAIN CONNECTING TO CHINA INNERLANDS



Information Classification: General



# ONE OF THE MOST ATTRACTIVE CITIES IN ASIA



Information Classification: General

SEE YOU AT

**ANEX**2021  
ASIA NONWOVENS EXHIBITION AND CONFERENCE

COMBINED WITH



SEE YOU IN  
SHANGHAI, CHINA

