



台灣合成樹脂
接著劑工業同業公會



The Adhesives Market Trends in Taiwan

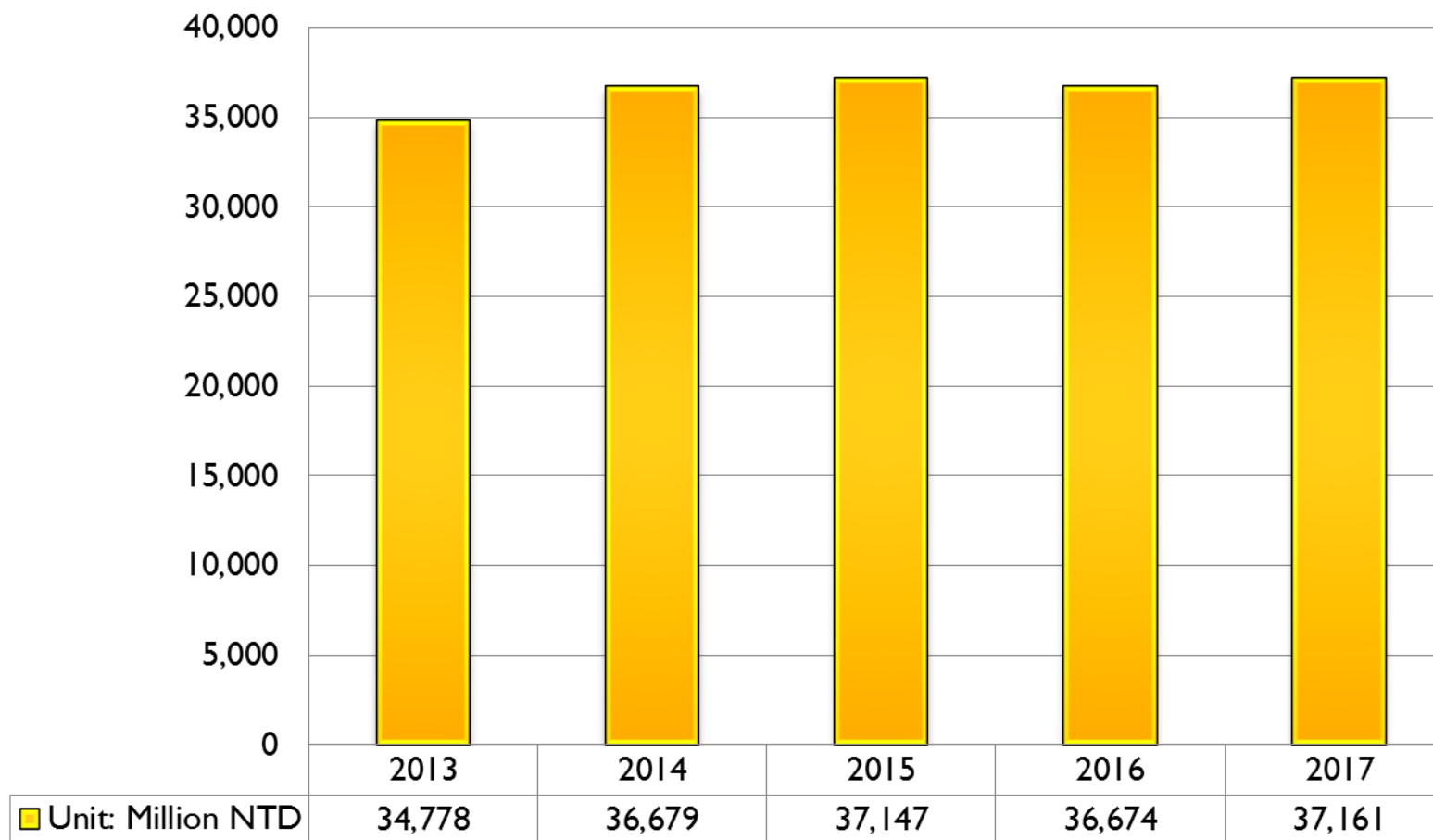
**TAIWAN SYNTHETIC RESINS &
ADHESIVES INDUSTRIAL
ASSOCIATION**

Chairman Ren-Jen Shi

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2018/09/17

2013-2017 Sales of Adhesive Industry in Taiwan

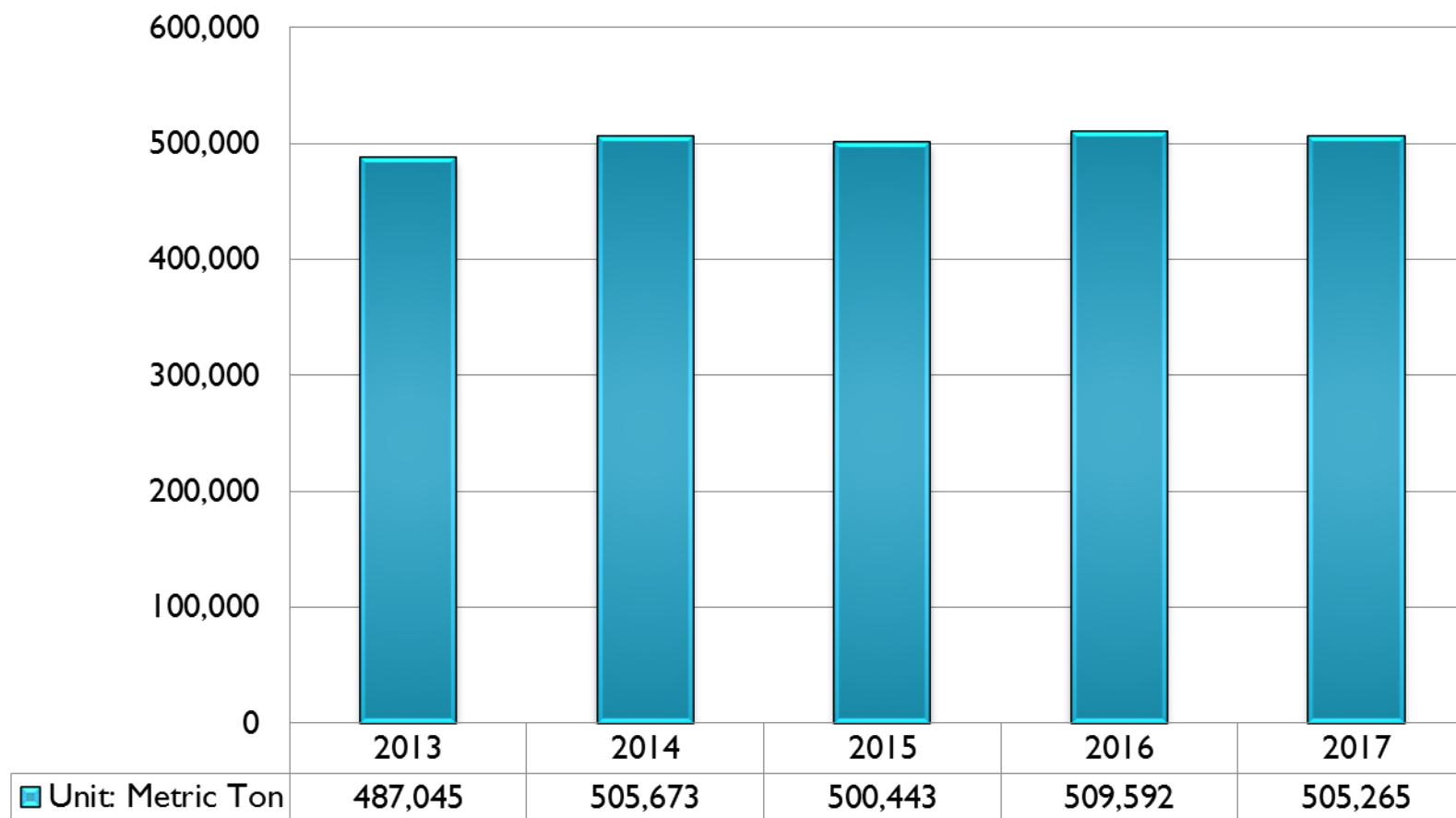


- CAGR during 2013-2017(e) is 1.67%.

2018/09/17

Resource: TSRAIA Taiwan(2018/08)

2013-2017 Sales Volume of Adhesive Industry in Taiwan



- CAGR during 2013-2017(e) is 0.92%.

2018/09/17

Resource: TSRAIA Taiwan(2018/08)

2017 Sales Volume by Adhesive Types

Adhesive type	Volume (tons)	Share (%)	G.R(%)
Formaldehyde	46,386	9.18	-3.10
Solvent-based	37,675	7.46	2.68
Reactive	113,115	22.39	4.39
Hot melt	44,128	8.73	-5.88
Water-based	191,958	37.99	-2.70
PSA	67,133	13.29	-0.47
Sealant	4,870	0.96	-3.75
TOTAL	505,265	100.00	-0.85

2018/09/17

Resource: TSRAIA Taiwan(2018/08)

2017 Sales Volume by Adhesive Items (I)

Type	Item	Volume (Tons)	G.R (%)
Formaldehyde resin	Urea-formaldehyde	12,099	-2.6
	Melamine-formaldehyde	7,425	-6.3
	Phenol-formaldehyde	26,862	-2.4
	Subtotal	46,386	-3.1
Solvent based	Vinyl acetate	885	0.0
	Chloroprene rubber	20,500	4.3
	Other resins	9,610	0.2
	Synthesized rubber	6,680	1.7
	Subtotal	37,675	2.7
Reactive	Epoxy	50,724	10.8
	Cyanoacrylate	6,574	4.0
	Polyurethane	55,817	-0.8
	Subtotal	113,115	4.4

2017 Sales Volume by Adhesive Items (2)

Type	Item	Volume (Tons)	G.R (%)
Hot melt	EVA	26,884	-7.2
	Rubber	12,984	-3.3
	Others	4,260	-4.9
	Subtotal	44,128	-5.9
Water-based	Vinyl acetate	50,980	-1.2
	EVA emulsion	72,810	-6.0
	Acryl emulsion	47,886	-0.9
	Polyurethane	20,285	2.0
	Subtotal	191,958	-2.7
PSA	Acryl	43,670	-0.5
	Rubber	23,463	-0.4
	Subtotal	67,133	-0.5
SEALANT	Subtotal	4,870	-3.8
TOTAL		505,265	-0.9

2018/09/17

Resource: TSRAIA Taiwan(2018/08)

2017 Sales Volume by Adhesive Application

No.	Market Segment	Consumption (tons)	Market Share (%)	G.R. (%)
1	Paper, Board and Related Products	71,140	14.08	-1.89
2	Transportation	22,120	4.38	-7.60
3	Footwear and Leather	60,130	11.90	0.85
4	Consumer/Do-It-Yourself (Retail)	20,720	4.10	-0.83
5	Building/Construction/Civil Engineering/Craftsmen	41,550	8.22	4.51
6	Woodworking and Joinery	74,276	14.70	-1.52
7	Assembly Operations/Other	27,790	5.50	2.91
Domestic sub total		317,726	62.88	-0.44
Export		187,539	37.12	-1.53
Total		505,265	100.00	-0.85

2017 Adhesives Import & Export

Item	Import			Export		
	Volume (Tons)	Value (Million NTD)	U.Price (NTD/KG)	Volume (Tons)	Value (Million NTD)	U.Price (NTD/KG)
Hot Melt	5,764	779	135	25,265	2,960	117
EVA Emulsion	4,127	109	26	51,719	1,399	27
Other Adhesives	29,282	7,711	263	110,924	10,884	98
Total	39,173	8,599	220	187,539	15,189	81

Resource: TSRAIA Taiwan(2018/08)

Summary of Adhesive Market

- As Taiwan's economy stays at low growth rate, the sales volume of adhesive industry keeps the same level during 2014-2017 in Taiwan.
- The water-based and reactive adhesive occupy more than 60% market share of total adhesive sales volume in Taiwan 2017. It refers to environmental friendly and high performance adhesives are main-stream in 2017.
- Leading applications of adhesives are used in (1) Woodworking and Joinery (2) Paper, Board and Related Products (3) Footwear and Leather .

Outlook of Policies and Market of Adhesive Industries in Taiwan

- Taiwan's companies are very important suppliers and partners in the global textile and footwear value-chain of Zero Discharge of Hazardous (ZDHC) and Manufacturing Restricted Substances List (MRSL) .
- Sustainable materials and technologies, radiation-curing resins, water-based resin, renewable feedstock and 100% solid content adhesives are huge requirement in Taiwan and globe market.
- Strong R&D focus to develop and commercialize adhesive market for environmental friendly, Industry 4.0 and circular economy applications.
- Open innovation for new technologies and adhesive products collaborations to create differentiation and high value-added.

THANK YOU VERY MUCH!

有難うございました

謝謝

감사합니다 !