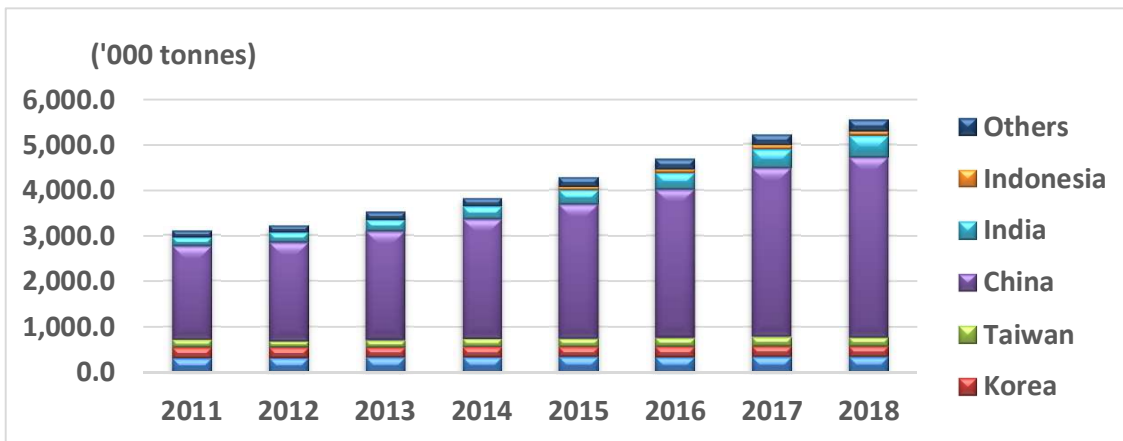


Nonwovens Production in Asia (2018)

METI, KNIC, TNFIA, CNTA, BCH, INWA, ANNA

1. Production Trend ('000 tonnes)

	2011	2012	2013	2014	2015	2016	2017	2018	'18/'17%
Japan	313.0	320.9	331.5	336.3	342.0	339.6	342.1	342.8	100.2
Korea	233.2	226.2	217.2	221.3	216.2	225.5	227.8	227.2	99.7
Taiwan	164.8	130.5	153.1	181.5	183.7	188.0	200.4	197.3	98.5
China	2,054.7	2,163.0	2,387.0	2,635.0	2,941.0	3,260.0	3,705.0	3,960.0	106.9
India	186.3	222.6	252.5	277.1	312.0	365.0	410.0	475.0	115.9
Indonesia	-	-	-	-	68.7	77.9	91.1	100.1	109.9
Others	145.0	152.3	168.0	182.8	214.4	228	240.0	252.6	105.3
Total	3,097.0	3,215.5	3,509.3	3,834.0	4,278.0	4,684.0	5,216.4	5,555	106.5



2. Production Process ('000 tonnes)

	Japan	Korea	Taiwan	China	India	Indonesia	Total
Chmicalbond	20	19	5	135	-	-	179
Thermalbond	39	21	13	200	-	10	265
Needle-puch	75	85	38	848	164	56	1,266
Spunlace	51	9	80	850	33	6	924
Spunmelt	99	90	55	1,779	257	28	2,200
Other dry-laid	23	3	4	107	21	0	159
Wet-laid	35	0	1	41	-	-	77
Total	343	227	197	3,960	475	100	5,070

