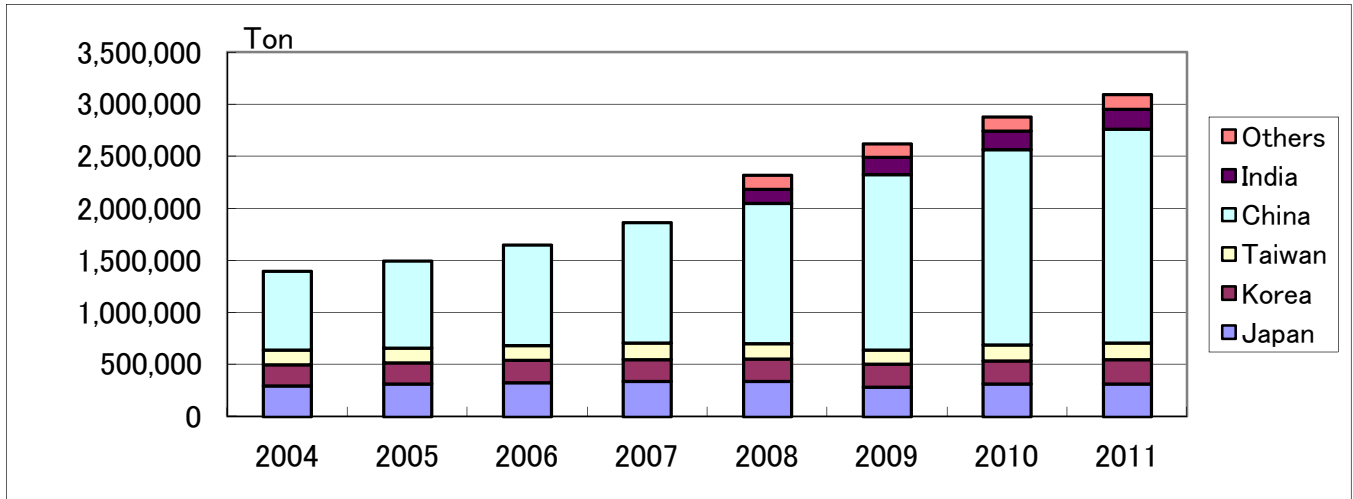


Nonwovens Production in Asia (2011)

METI, KNIC, TNFIA, CNTA, BCH, ANNA

1. Production Trend (ton)

	2004	2005	2006	2007	2008	2009	2010	2011	'11/'10%
Japan	296,913	313,941	329,752	338,281	338,436	283,378	313,417	313,020	99.9
Korea	203,921	205,960	210,795	213,065	214,836	220,160	224,854	233,161	103.7
Taiwan	139,141	140,551	144,000	160,038	150,033	140,075	149,954	164,797	109.9
China	755,000	838,000	966,000	1,150,600	1,347,000	1,685,000	1,879,000	2,054,700	109.4
India	-	-	-	-	135,000	162,000	175,000	186,250	106.4
Others					132,000	130,000	140,000	145,000	103.6
Total	1,394,975	1,498,452	1,650,547	1,861,984	2,317,305	2,620,613	2,882,225	3,096,928	107.4



2. Production Process (ton)

	Japan	Korea	Taiwan	China	India	Total
Chemicalbonded	19,043	29,359	1,523	105,000	-	154,925
Thermalbonded	35,997	28,781	11,290	104,000	-	180,068
Needlepunched	71,648	83,850	38,946	520,000	59,600	774,044
Spunlaced	34,735	8,652	65,813	200,000	13,038	322,238
Spunbonded/MB	90,102	78,358	35,976	1,019,000	106,163	1,329,599
Other/Dry-laid	25,200	1,532	4,840	90,000	7,450	129,022
Wet-laid	36,294	2,629	6,410	16,700	-	62,033
Total	313,020	233,161	164,797	2,054,700	186,250	2,951,928

