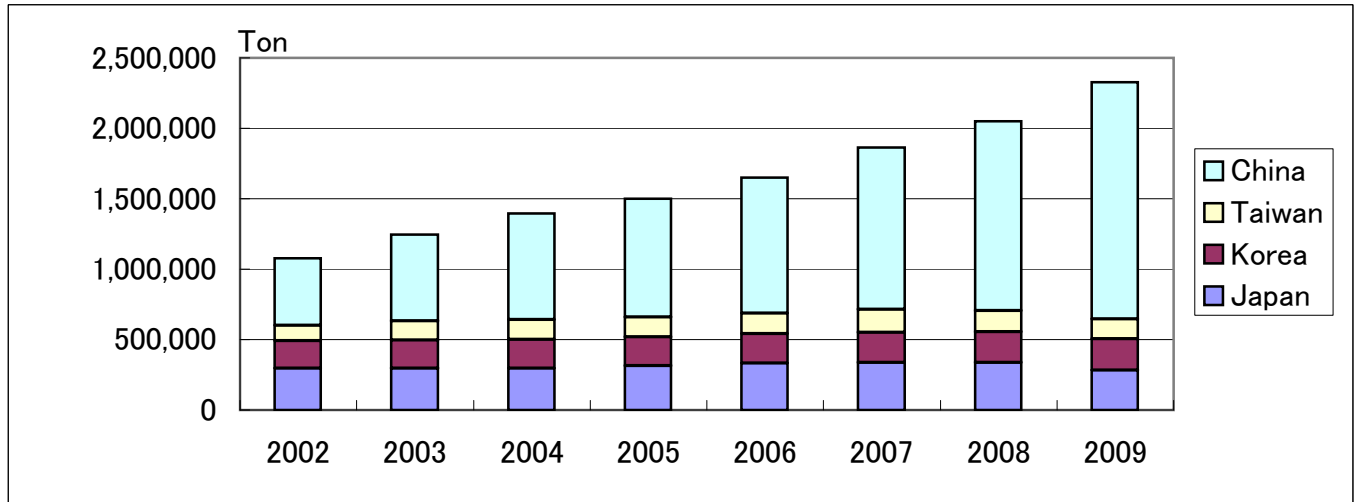


## Nonwovens Production in Asia (2009)

ANNA, KNIC, TNFIA, CNTA

### 1. Production Trend (ton)

|              | 2002             | 2003             | 2004             | 2005             | 2006             | 2007             | 2008             | 2009             | '09/'08%     |
|--------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------|
| Japan        | 295,883          | 296,753          | 296,913          | 313,941          | 329,752          | 338,281          | 338,436          | 283,378          | 83.7         |
| Korea        | 195,820          | 199,298          | 203,921          | 205,960          | 210,795          | 213,065          | 214,836          | 220,160          | 102.5        |
| Taiwan       | 107,739          | 135,702          | 139,141          | 140,551          | 144,000          | 160,038          | 150,033          | 140,075          | 93.4         |
| China        | 477,700          | 615,000          | 755,000          | 838,000          | 966,000          | 1,150,600        | 1,347,000        | 1,685,000        | 125.1        |
| <b>Total</b> | <b>1,077,142</b> | <b>1,246,753</b> | <b>1,394,975</b> | <b>1,498,452</b> | <b>1,650,547</b> | <b>1,861,984</b> | <b>2,050,305</b> | <b>2,328,613</b> | <b>113.6</b> |



### 2. Production Process (ton)

|                | Japan          | Korea          | Taiwan         | China            | Total            |
|----------------|----------------|----------------|----------------|------------------|------------------|
| Chemicalbonded | 20,269         | 30,792         | 3,569          | 95,000           | 149,630          |
| Thermalbonded  | 33,399         | 27,315         | 6,500          | 89,000           | 156,214          |
| Needlepunched  | 66,681         | 78,074         | 44,040         | 425,000          | 613,795          |
| Spunlaced      | 31,951         | 7,851          | 39,990         | 145,000          | 224,792          |
| Spunbonded/MB  | 76,987         | 72,157         | 29,602         | 845,000          | 1,023,746        |
| Other/Dry-laid | 20,032         | 3,971          | 16,375         | 73,000           | 113,378          |
| Wet-laid       | 34,058         | -              | -              | 13,000           | 47,058           |
| <b>Total</b>   | <b>283,378</b> | <b>220,160</b> | <b>140,075</b> | <b>1,685,000</b> | <b>2,328,613</b> |

