

II-1.3 Production situation of PVC and PVC compound in China in 2008

☞ PVC

According to National Bureau of Statistics of China, China's PVC output is only ████████ tonnes in Oct. 2008, down 19.4% over the last month and 32.88% over Oct. 2007. And the total PVC output in Jan. ~ Oct. 2008 is ████████ tonnes with growth rate of only 1.06% over the same period in 2007. The growth rate of accumulated PVC output has reduced continuously from April 2008.

Table II-1.3-1 Production situation of PVC in China by province in 2007-2008 (tonne)

Province/city	Oct. 2008	Oct. 2007	Growth rate	Jan~Oct. 2008	Jan~Oct. 2007	Growth rate
Tianjin	██████	██████	██████	██████	██████	██████
Shandong	██████	██████	██████	██████	██████	██████
Henan	██████	██████	██████	██████	██████	██████
Zhejiang	██████	██████	██████	██████	██████	██████
Jiangsu	██████	██████	██████	██████	██████	██████
Shanxi	██████	██████	██████	██████	██████	██████
Inner Mongolia	██████	██████	██████	██████	365,582	██████
Hebei	██████	██████	██████	██████	324,099	██████
Shanghai	██████	██████	██████	██████	262,560	██████
Guangdong	██████	██████	██████	██████	██████	██████
Hubei	██████	██████	██████	██████	██████	██████
Liaoning	██████	██████	██████	██████	██████	██████
Hunan	██████	██████	██████	██████	██████	██████
Anhui	██████	██████	██████	██████	██████	██████
Jilin	██████	██████	██████	██████	██████	██████
Fujian	██████	██████	██████	██████	██████	██████
Heilongjiang	██████	██████	██████	██████	██████	██████
Jiangxi	██████	██████	██████	██████	██████	██████
Beijing	██████	██████	██████	██████	██████	██████
Others	██████	██████	██████	██████	██████	██████
Total	██████	██████	██████	██████	██████	1.06%

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II-3 Major PVC compound players in China

There are [REDACTED] active PVC manufacturers in 2007 with capacity of [REDACTED] t/a. The detailed information is shown in the following table.

Table II-3-2 Overview of PVC manufacturers in China-2

No.	Abbreviation	Pathway	Raw material	Capacity (t/a)			Output (t)	
				2008	2007	2006	2007	2006
IX-1.1	[REDACTED]	Suspension	Calcium carbide, VCM, EDC	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
IX-1.2	[REDACTED]	Suspension	Ethylene	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
IX-1.3	[REDACTED]	Suspension	VCM	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
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IX-1.100	[REDACTED]	Suspension	Calcium carbide	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
IX-1.101	[REDACTED]	Suspension	Calcium carbide	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
IX-1.102	[REDACTED]	Suspension	Calcium carbide	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
IX-3.1	[REDACTED]	Suspension	Calcium carbide	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
IX-3.2	[REDACTED]	Suspension	Calcium carbide	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
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IX-3.8	[REDACTED]	Suspension	Calcium carbide	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
IX-3.9	[REDACTED]	Suspension	Ethylene dichloride, VCM	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
IX-3.10	[REDACTED]	Suspension	Calcium carbide	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
IX-4.1	[REDACTED]	Suspension	Ethylene	[REDACTED]	160,000	160,000	86,372	145,408
IX-4.2	[REDACTED]	Suspension	VCM	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
IX-4.3	[REDACTED]	Suspension	Calcium carbide	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
		Total		[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Table II-3-3 Overview of PVC compound manufacturers in China in 2008

No.	English name	Abbreviation	Location	Capacity in 2008	Output in 2007	Application field
IX-2.1						Cable
IX-2.2						Cable, toy
IX-2.3						Cable
IX-2.4						Cable
IX-2.5						
IX-2.6						
IX-2.7						
IX-2.8						
IX-2.9						
IX-2.10						

There are thousands of PVC compound manufacturers in China, most of which only have small-scale production. Most of these manufacturers produce PVC compound for cable and electrical wire. Toy industry is the second largest consumption field of PVC compound in China.

II-3.1 Industry concentration

Capacity

China's PVC industry has low industry concentration ratio. The PVC capacity of top 5 global PVC producers capture about 28.48% of the world' total, but the top 5 in China has total capacity of [redacted] t/a, only capturing [redacted] % of China's total in 2007.

Table II-3.1-1 Distribution of PVC capacity and share in China, 2006-2008

Capacity (1,000t/a)	Number of manufacturer			Capacity (1,000t/a)			Share		
	2008	2007	2006	2008	2007	2006	2008	2007	2006
Capacity ≥ 500									
400 ≤ Capacity < 500									
300 ≤ Capacity < 400									
200 ≤ Capacity < 300									
100 ≤ Capacity < 200									
Capacity < 100									
Total							100.00%	100.00%	100.00%

II-4 New projects of PVC and PVC compound under construction or projects to be constructed

The PVC manufacturers listed in the following table are only the new enters. There are also some existed PVC manufacturers plan to enlarge their capacity but only when the PVC market is good.

Table II-4-3 New PVC projects after 2009 (Unit: 1,000t/a)

Abbreviation	Raw material	Capacity	Established time (est)	Remark
[REDACTED]	Calcium carbide	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	Calcium carbide	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

II-6.1 Forecast on the PVC production in the next 5~10 years

- Development trends

Table II-6.1-1 Trends influencing the PVC development in China

General trends	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
Technology drivers	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
Other drivers or barriers	[REDACTED]
[REDACTED]	[REDACTED]

Table II-6.1-2 Historical growth of PVC production and consumption, 2003~2007

	2003	2004	2005	2006	2007
Output growth	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Consumption growth	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Figure II-6.1-1 Forecast on PVC production in China, 2008~2018

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