

IVL Year end installed Capacities **12-Sep-16**

Years	2014A	2015A	2016E	16E % of IVL	2017E	2018E	18E % of IVL
Qty in kt							
Consolidated in the Company							
Oxide & Glycols	550	550	550	5.3%	550	550	4.8%
North America	550	550	550	5.3%	550	550	4.8%
Mix Feed Cracker						400	3.5%
North America (Project Houston)					400		3.5%
PET	3,696	4,262	4,291	41.0%	4,455	4,470	39.1%
China	550	548	545	5.2%	566	575	5.0%
Europe	927	930	1,119	10.7%	1,119	1,119	9.8%
Indonesia	191	193	190	1.8%	190	190	1.7%
MENA	214	464	460	4.4%	497	497	4.4%
North America	1,527	1,518	1,566	15.0%	1,592	1,598	14.0%
India		216					0.0%
Thailand	287	393	411	3.9%	492	492	4.3%
Packaging	80	110	139	1.3%	148	158	1.4%
Fibers & Yarns (Polyester & Other F&Y)	1,414	1,492	1,566	15.0%	1,590	1,598	14.0%
China	13	54	68	0.7%	66	68	0.6%
Europe	421	420	447	4.3%	455	455	4.0%
Indonesia	425	429	436	4.2%	435	434	3.8%
North America	203	237	259	2.5%	270	274	2.4%
Thailand	352	352	356	3.4%	364	366	3.2%
PTA	1,764	2,357	3,698	35.3%	4,018	4,018	35.2%
Europe	391	380	705	6.7%	1,025	1,025	9.0%
North America		600	1,620	15.5%	1,620	1,620	14.2%
Thailand	1,373	1,377	1,373	13.1%	1,373	1,373	12.0%
Purified Isophthelic Acid (IPA)			220	2.1%	220	220	1.9%
Europe			220	2.1%	220	220	1.9%
Fibers & Yarns (Wool)	6	6	6	0.1%	6	6	0.1%
Thailand	6	6	6	0.1%	6	6	0.1%
IVL	7,510	8,776	10,470	100%	10,987	11,419	100.0%
ASIA	43%	41%	33%		32%	31%	
EMEA	26%	25%	29%		31%	30%	
North America	30%	33%	38%		37%	39%	

PET Incl. Pckg	3,776	4,372	4,430	42%	4,603	4,628	40.5%
ASIA	28%	32%	28%		29%	29%	
EMEA	31%	33%	37%		36%	36%	
North America	40%	35%	35%		35%	35%	
Fibers & Yarns (Incl. Wool)	1,420	1,498	1,572	15%	1,596	1,604	14.0%
ASIA	56%	56%	55%		55%	55%	
EMEA	30%	28%	28%		29%	28%	
North America	14%	16%	16%		17%	17%	
PTA	1,764	2,357	3,698	35%	4,018	4,018	35.2%
ASIA	78%	58%	37%		34%	34%	
EMEA	22%	16%	19%		26%	26%	
North America	0%	25%	44%		40%	40%	
Purified Isophthelic Acid (IPA)			220	2%	220	220	1.9%
Europe			100%		100%	100%	
EOEG	550	550	550	5%	550	550	4.8%
North America	100%	100%	100%		100%	100%	
Mix Feed Cracker						400	3.5%
North America (Project Houston)						100%	

Joint Ventures-Equity Accounting	2014A	2015A	2016E	16E % of IVL	2017E	2018E	18E % of IVL
Joint Ventures	525	525	1,236	100%	1,239	1,239	100%
PET	-	-	696	56%	699	699	56%
India			696	56%	699	699	56%
Fibers & Yarns	25	25	40	3%	40	40	3%
China	25	25	25	2%	25	25	2%
Thailand			15	1%	15	15	1%
PTA	500	500	500	40%	500	500	40%
Indonesia	500	500	500	40%	500	500	40%

Note: Include announcements (even if they are under completion process)

Theoretical RM requirement **INDORAMA**

on 2016 capacity @ 90% utilization									
PTA	MEG	PX	IPA	Ethylene	PTA	PX	Ethylene	IPA	MEG
Requirement					Production				
				287					297
				287					297
								In 2018	
								In 2018	
3,189	1,329			76					
412	172			10					
846	352			20					
143	60			3					
293	122			7					
1,184	493			28					
311	130			7					
854	348								
43	18								
95	39								
337	137								
104	42								
275	112								
		2,197			3,328	648			
		419			635				
		962			1,458	648			
		816			1,236				
									198
									198
4,043	1,676	2,197	76	10,987	3,328	648	-	198	297
1,522	628	816	21	-	1,236	-	-	-	-
1,234	513	419	27	-	635	-	-	198	-
1,287	535	962	28	287	1,458	648	In 2018	-	297

Raw Material (RM) Integration %	2016F	
PTA Global Integration %		82%
MEG Global Integration %		18%
IPA Global Integration %		100%
PX Global Integration %		29%
Theoretical PTA net buying in KT		715
Theoretical MEG net buying in KT		1,379
Theoretical PX buying in KT		1,549
Theoretical Ethylene buying in KT		287
Theoretical IPA buying in KT		-
Theoretical RM buying in KT		3,930

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370kt of Ethylene & 30kt of Propylene