

IVL Year end installed Capacities based on announcements made								
Years	2014A	2015A	2016A	2017E	Yr '17 % of IVL	2018E	2019E	2020E
Qty in kt								
Consolidated in the Company								
Oxide & Glycols	550	550	550	550	5%	550	550	550
North America	550	550	550	550	5%	550	550	550
Mix Feed Cracker					0%	440	440	440
North America (Project Houston)					0%	440	440	440
PET	3,696	4,262	4,291	4,070	38%	4,142	4,258	4,258
China	550	548	545	523	5%	564	564	564
Europe	927	930	1,119	1,122	11%	1,138	1,175	1,175
Indonesia	191	193	190	197	2%	197	197	197
MENA	214	464	460	329	3%	343	343	343
North America	1,527	1,518	1,566	1,486	14%	1,486	1,486	1,486
India		216	-	-	-	-	-	-
Thailand	287	393	411	414	4%	414	494	494
Packaging	80	110	139	182	2%	202	207	218
Fibers (Polyester,PP, Nylon 66 etc)	1,414	1,492	1,566	1,568	15%	1,590	1,605	1,617
China	13	54	68	67	1%	79	85	85
Europe	421	420	447	481	5%	482	487	489
Indonesia	425	429	436	436	4%	436	436	437
North America	203	237	259	272	3%	280	285	291.744
Thailand	352	352	356	312	3%	312	312	312.930
PTA	1,764	2,357	3,698	4,018	38%	4,018	4,018	4,018
Europe	391	380	705	1,025	10%	1,025	1,025	1,025
North America		600	1,620	1,620	18%	1,620	1,620	1,620
Thailand	1,373	1,377	1,373	1,373	13%	1,373	1,373	1,373
Purified Isophthelic Acid (IPA)			220	220	2%	220	220	220
Europe			220	220	2%	220	220	220
Fibers (Wool)	6	6	6	6	0%	6	6	6
Thailand	6	6	6	6	0%	6	6	6
Indorama Holdings	6	6	6	6	0%	6	6	6
IVL	7,510	8,776	10,470	10,614	100%	11,168	11,305	11,327
ASIA	43%	41%	33%	32%		31%	32%	32%
EMEA	26%	25%	29%	31%		29%	29%	29%
North America	30%	33%	38%	37%		39%	39%	39%

PET Incl. Pckg	3,776	4,372	4,430	4,253	40.07%	4,344	4,466	4,476
ASIA	28%	32%	28%	27%		28%	29%	29%
EMEA	31%	33%	37%	36%		36%	36%	36%
North America	40%	35%	35%	37%		36%	35%	35%
Fibers & Yarns (Incl. Wool)	1,420	1,498	1,572	1,574	15%	1,596	1,611	1,622
ASIA	56%	56%	55%	52%		52%	52%	52%
EMEA	30%	28%	28%	31%		30%	30%	30%
North America	14%	16%	16%	17%		18%	18%	18%
PTA	1,764	2,357	3,698	4,018	38%	4,018	4,018	4,018
ASIA	78%	58%	37%	34%		34%	34%	34%
EMEA	22%	16%	19%	26%		26%	26%	26%
North America	0%	25%	44%	40%		40%	40%	40%
Purified Isophthelic Acid (IPA)			220	220	2%	220	220	220
Europe			100%	100%		100%	100%	100%
EOEG	550	550	550	550	5%	550	550	550
North America	100%	100%	100%	100%		100%	100%	100%
Mix Feed Cracker						440	440	440
North America (Project Houston)						100%	100%	100%

Joint Ventures-Equity Accounting

Joint Ventures	525	525	1,236	1,238	100%	1,238		
PET	-	-	696	699	56%	699		
India			696	699		699		
Fibers & Yarns	25	25	40	40	3%	40		
China	25	25	25	25	2%	25		
Thailand			15	15	1%	15		
PTA	500	500	500	500	40%	500		
Indonesia	500	500	500	500	40%	500		

Theoretical RM requirement									
on 2017 capacity @ 90% utilization									
PTA	MEG	PX	IPA	Ethylene	PTA	PX	Ethylene	IPA	MEG
Requirement					Production				
				287					297
				287					297
							In 2018		
							In 2018		
3,022	1,259		72						
395	165		9						
848	353		20						
149	62		4						
193	80		5						
1,123	468		27						
-	-		-						
313	130		7						
831	338								
43	17								
95	39								
338	137								
113	46								
242	98								
		2,387					3,616	648	
		609					923		
		962					1,458	648	
		816					1,236		
									198
									198
3,853	1,597	2,387	72	287			3,616	648	In 2018
1,479	610	816	20	-			1,236	-	-
1,137	473	609	25	-			923	-	198
1,237	514	962	27	287			1,458	648	In 2018
									-
									-

Raw Material (RM) Integration %	PTA Global Integration %	94%
	MEG Global Integration %	19%
	IPA Global Integration %	100%
	PX Global Integration %	27%
	Theoretical PTA net buying in KT	236
	Theoretical MEG net buying in KT	1,300
	Theoretical PX buying in KT	1,739
	Theoretical Ethylene buying in KT	287
	Theoretical IPA buying in KT	-
	Theoretical RM buying in KT	3,562

Check -

400kt of Ethylene & 40kt of Propylene