

IVL Year end installed Capacities based on announcements made					
Years	2017A	2018A	2019A	Yr '19 % of IVL	2020E
Qty in Kt					
Consolidated in the Company					
PET Nec	3,485	4,407	5,366	36%	5,326
Asia	1,038	1,395	2,363	16%	2,440
EMEA	1,414	1,442	1,476	10%	1,480
America	1,033	1,570	1,528	10%	1,406
PTA	4,018	4,911	4,981	33%	4,995
Asia	1,373	1,873	1,881	12%	1,886
EMEA	1,025	1,735	1,735	11%	1,739
America	1,620	1,303	1,365	9%	1,369
RECYCLING	366	369	465	3%	612
Asia	28	28	28	0%	29
EMEA	175	196	198	1%	186
America	162	144	238	2%	397
PX Merchant	-	-	194	1%	194
America	-	-	194	1%	194
IVOG	550	550	550	4%	550
America	550	550	550	4%	550
IVOL	-	-	113	1%	113
America	-	-	113	1%	113
PET HVA	506	511	627	4%	617
Asia	95	82	62	0%	66
EMEA	37	35	185	1%	185
America	374	394	381	3%	367
IPA	220	440	440	3%	441
EMEA	220	220	220	1%	221
America	-	220	220	1%	220
NDC	27	27	27	0%	27
America	27	27	27	0%	27
PACKAGING	182	320	276	2%	294
Asia	121	235	183	1%	194
EMEA	62	85	92	1%	100
America	-	-	-	0%	-
Fibers (Polyester, PP, Nylon 66 etc)	1,332	1,512	2,057	14%	2,276
Asia	785	809	1,248	8%	1,454
EMEA	337	443	467	3%	462
America	209	260	342	2%	360
Fibers (Wool)	6	9	9	0%	9
Asia	6	6	6	0%	6
EMEA	-	4	3	0%	4
IVL	10,692	13,056	15,105	100%	15,453
ASIA	3,447	4,428	5,771	38%	6,074
EMEA	3,270	4,160	4,375	29%	4,376
America	3,975	4,468	4,959	33%	5,003
Integrated PET (PET + PTA + Recycling)	7,869	9,687	11,007	73%	11,127
ASIA	31%	34%	39%		39%
EMEA	33%	35%	31%		31%
America	36%	31%	30%		30%
Olefins (IVOG + IVOL)	550	550	663	4%	663
ASIA	0%	0%	0%		0%
EMEA	0%	0%	0%		0%
America	100%	100%	100%		100%
Specialty Chemicals (Specialty PET, IPA)	753	978	1,094	7%	1,085
ASIA	13%	8%	6%		6%
EMEA	34%	26%	37%		37%
America	53%	66%	57%		57%
PACKAGING	182	320	276	2%	294
ASIA	66%	74%	67%		66%
EMEA	34%	26%	33%		34%
FIBERS TOTAL	1,338	1,521	2,066	14%	2,285
ASIA	59%	54%	61%		64%
EMEA	25%	29%	23%		20%
America	16%	17%	17%		16%

Joint Ventures-Equity Accounting (% of IVL share)				
Joint Ventures	605	369	50	50
PET NEC	349	349	-	-
ASIA	349	349	-	-
PTA	236	-	-	-
ASIA	236	-	-	-
FIBERS	20	20	50	50
ASIA	20	20	20	20
America	-	-	30	30

Theoretical RM requirement on 2019 capacity @ 90% utilization								INDORAMA			
Requirement				Production							
PTA	MEG	PX	IPA	PTA	MEG	PX	IPA				
3,988	1,662		95								
1,786	744		43								
1,047	436		25								
1,155	481		28								
		2,959		4,483		648					
		1,117		1,693							
		1,030		1,561							
		811		1,229		648					
202	84		4								
22	9										
180	75		4								
476	198										
47	19										
140	58										
289	120										
							396				
							198				
							198				
768	313		10								
592	241		1								
95	39		3								
81	33		6								
5,433	2,256	2,959	109	4,483	297	648	396				
2,447	1,014	1,117	44	1,693							
1,281	533	1,030	28	1,561			198				
1,705	709	811	37	1,229	297	648	198				
Raw Material (RM) Integration %	PTA Global Integration %						83%				
	MEG Global Integration %						13%				
	PX Global Integration %						22%				
	IPA Global Integration %						100%				
	Theoretical PTA buying in KT						951				
Theoretical MEG buying in KT						1,959					
Theoretical PX buying in KT						2,311					
Theoretical IPA buying in KT						-					
Theoretical RM buying in KT						5,220					