

## Segment Analysis (US\$)

	2018	2019	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19	3Q19	4Q19
<b>Performance by Segments</b>										
IVL Production (MMT)	10.42	12.34	2.33	2.55	2.73	2.82	2.97	3.15	3.35	2.88
PET	4.27	5.47	0.95	1.07	1.16	1.09	1.34	1.33	1.50	1.30
Fibers & Yarns	1.55	1.82	0.36	0.38	0.41	0.40	0.41	0.45	0.54	0.42
West Feedstock	3.25	3.44	0.72	0.78	0.86	0.90	0.80	0.95	0.85	0.84
Asia PTA	1.36	1.62	0.30	0.33	0.30	0.43	0.42	0.42	0.46	0.32
IVL Core EBITDA(\$t)	138	93	140	153	150	113	102	115	84	70
PET	138	103	123	169	154	103	109	127	89	88
Fibers & Yarns	155	135	152	153	136	181	186	139	109	115
West Feedstock	166	80	207	168	174	125	78	109	82	48
Asia PTA	53	48	9	55	92	56	36	83	52	14
IVL Core EBITDA (M\$)	1,441	1,147	326	388	409	318	304	361	281	201
PET	588	563	116	180	179	113	145	169	134	115
Fibers & Yarns	240	246	55	58	55	72	77	62	59	48
West Feedstock	541	276	148	130	150	112	62	104	69	40
Asia PTA	72	78	3	18	28	24	15	35	24	4
Holding	1	(16)	4	3	(3)	(3)	4	(8)	(5)	(7)
*IVL Net Revenue (M\$)	10,741	11,361	2,414	2,618	2,920	2,788	3,030	2,930	2,832	2,569
PET	5,644	6,315	1,228	1,436	1,540	1,440	1,730	1,667	1,533	1,385
Fibers & Yarns	3,069	3,448	727	713	794	835	873	842	933	801
West Feedstock	3,354	3,044	726	790	958	880	808	798	742	697
Asia PTA	1,203	1,237	231	260	306	406	362	343	276	257
Intercompany	(2,529)	(2,684)	(498)	(582)	(677)	(773)	(743)	(720)	(651)	(570)
*Note: Net Revenue by Factory location basis	-	-	-	-	-	-	-	-	-	-
<b>Performance by Portfolio</b>										
IVL Production (MMT)	10.42	12.34	2.33	2.55	2.73	2.82	2.97	3.15	3.35	2.88
High Value Add (HVA)	2.16	2.21	0.50	0.53	0.57	0.56	0.55	0.59	0.60	0.47
Special Position (West Necessities)	5.35	5.84	1.15	1.30	1.47	1.44	1.44	1.61	1.35	1.44
Cyclical (East Necessities)	2.91	4.29	0.68	0.72	0.69	0.82	0.97	0.95	1.39	0.98
IVL Core EBITDA(\$t)	138	93	140	153	150	113	102	115	84	70
High Value Add (HVA)	247	177	268	258	233	232	204	162	172	173
Special Position (West Necessities)	124	89	133	136	139	90	85	115	86	66
Cyclical (East Necessities)	85	59	53	102	109	74	66	94	48	33
IVL Core EBITDA (M\$)	1,441	1,147	326	388	409	318	304	361	281	201
High Value Add (HVA)	532	392	133	136	132	131	112	96	104	80.35
Special Position (West Necessities)	662	519	153	176	204	130	123	184	116	96
Cyclical (East Necessities)	246	252	36	74	76	61	64	89	66	32
Holding	1	(16)	4	3	(3)	(3)	4	(8)	(5)	(7)
*IVL Net Revenue (M\$)	10,741	11,361	2,414	2,618	2,920	2,788	3,030	2,930	2,832	2,569
High Value Add (HVA)	3,914	3,957	914	965	1,005	1,030	1,096	1,033	985	842
Special Position (West Necessities)	4,598	4,482	991	1,107	1,314	1,186	1,155	1,181	1,075	1,071
Cyclical (East Necessities)	2,229	2,922	509	547	602	571	779	716	772	656
	0	0	0	(0)	0	0	0	(0)	(0)	0
<b>Performance by Regions</b>										
IVL Production (MMT)	10.42	12.34	2.33	2.55	2.73	2.82	2.97	3.15	3.35	2.88
America	3.74	3.92	0.83	0.94	1.03	0.94	0.87	0.94	1.09	1.02
Europe, Middle East & Africa (EMEA)	3.19	3.58	0.70	0.76	0.84	0.88	0.91	1.02	0.89	0.76
Asia	3.49	4.84	0.79	0.85	0.85	0.99	1.19	1.19	1.37	1.10
IVL Core EBITDA(\$t)	138	93	140	153	150	113	102	115	84	70
America	193	127	193	176	198	207	159	141	105	110
Europe, Middle East & Africa (EMEA)	104	74	137	144	114	35	68	101	76	42
Asia	110	83	83	132	131	96	83	112	76	58
IVL Core EBITDA (M\$)	1,441	1,147	326	388	409	318	304	361	281	201
America	724	498	161	165	204	194	138	133	114	112
Europe, Middle East & Africa (EMEA)	332	265	95	110	96	31	62	103	68	32
Asia	385	400	66	111	112	96	99	133	104	63
Holding	1	(16)	4	3	(3)	(3)	4	(8)	(5)	(7)
*IVL Net Revenue (M\$)	10,741	11,361	2,414	2,618	2,920	2,788	3,030	2,930	2,832	2,569
America	4,181	4,106	873	992	1,194	1,122	1,085	1,082	1,000	940
Europe, Middle East & Africa (EMEA)	3,381	3,383	831	863	881	806	909	886	820	768
Asia	3,179	3,872	710	764	845	860	1,036	962	1,013	861
	0	0	0	(0)	0	0	0	(0)	(0)	0
<b>Performance by 5 Segments</b>										
IVL Production (MMT)	10.42	12.34	2.33	2.55	2.73	2.82	2.97	3.15	3.35	2.88
Integrated PET (PET + PTA + Px + Recycling)	7.80	9.36	1.70	1.91	2.05	2.14	2.33	2.45	2.50	2.08
Integrated Oxides and Derivatives (IVOL + IVOG)	0.52	0.41	0.13	0.13	0.12	0.13	0.03	0.10	0.13	0.15
Specialty Chemicals (NDC, IPA, Specialty PET)	0.65	0.74	0.15	0.16	0.17	0.16	0.19	0.16	0.19	0.19
Packaging	0.16	0.21	0.04	0.04	0.04	0.05	0.05	0.06	0.05	0.05
Fibers	1.29	1.61	0.30	0.31	0.34	0.33	0.36	0.38	0.48	0.40
IVL Core EBITDA(\$t)	138	93	140	153	150	113	102	115	84	70
Integrated PET (PET + PTA + Px + Recycling)	101	81	83	116	125	80	82	107	74	55
Integrated Oxides and Derivatives (IVOL + IVOG)	450	181	545	440	433	380	84	248	126	201
Specialty Chemicals (NDC, IPA, Specialty PET)	245	55	318	281	251	137	101	18	83	11
Packaging	294	336	297	338	277	270	317	342	340	344
Fibers	164	138	161	158	143	193	194	156	106	107
IVL Core EBITDA (M\$)	1,441	1,147	326	388	409	318	304	361	281	201
Integrated PET (PET + PTA + Px + Recycling)	791	754.027	142	222	256	171	192	262	186	113.571
Integrated Oxides and Derivatives (IVOL + IVOG)	232	75	73	57	52	50	3	26	16	31
Specialty Chemicals (NDC, IPA, Specialty PET)	158	40	48	44	44	22	19	3	16	2
Packaging	48	71	11	13	11	13	16	19	17	19
Fibers	211	222	49	49	49	64	69	59	51	43
Holding	1	(16)	4	3	(3)	(3)	4	(8)	(5)	(7)
*IVL Net Revenue (M\$)	10,741	11,361	2,414	2,618	2,920	2,788	3,030	2,930	2,832	2,569
Integrated PET (PET + PTA + Px + Recycling)	6,996	7,620	1,496	1,698	1,947	1,855	2,102	2,026	1,826	1,665
Integrated Oxides and Derivatives (IVOL + IVOG)	452	293	124	112	109	107	68	55	78	93
Specialty Chemicals (NDC, IPA, Specialty PET)	1,061	954	259	286	283	233	269	234	229	222
Packaging	249	335	52	60	60	78	85	95	79	76
Fibers	2,747	3,153	646	634	714	753	790	771	858	734
Intercompany	(764)	(994)	(162)	(172)	(192)	(237)	(283)	(251)	(238)	(222)
	0	0	0	(0)	0	0	0	(0)	(0)	0

\*Note: Net Revenue by Factory location basis