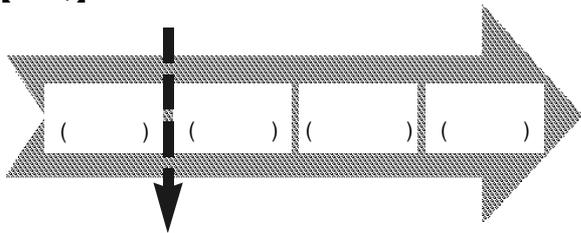


< — 5% >
 「5%」
 ??

8 가
 가 가 4 가 「5%」 가
 가 가 가 가 가 가 가
 5% 가 가 가 가 가 가 가
 「5%」 가 가 가 가 가 가 가
 가 가 가 가 가 가 가

【 1】



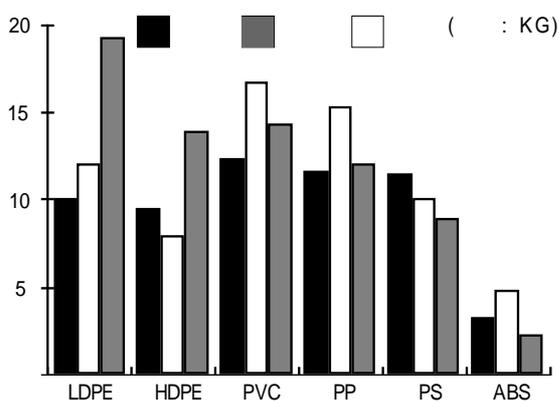
()
) CRI

【 1】NCC 가 (93) (: 1000 , %)

	380	380	380	530	700	312	380	360
	372	335	418	518	490	311	433	385
가	98	88	110	98	70	100	114	107

) CRI(Chemical Research Institute)

【 2】 1 (93) (: KG)



) CRI(Chemical Research Institute)

【 2】 LDPE/LLDPE 가 (: 1000M/T, US /M/T)

	가			가	
	1992.1~6	1993.1~6	가	1992.1~6	1993.1~6
	4.8	5.8	1.0	743	684
	47.6	31.9	15.7	707	643
	39.7	17.7	22.0	686	624
	9.5	24.4	14.9	706	628
	0.1	4.5	4.4	704	652
	12.1	15.2	3.1	657	952
	5.0	10.4	5.4	683	639
	135.0	139.3	4.3	697	646

가

가

가 가

, 가

가가

NCC 가 1

가

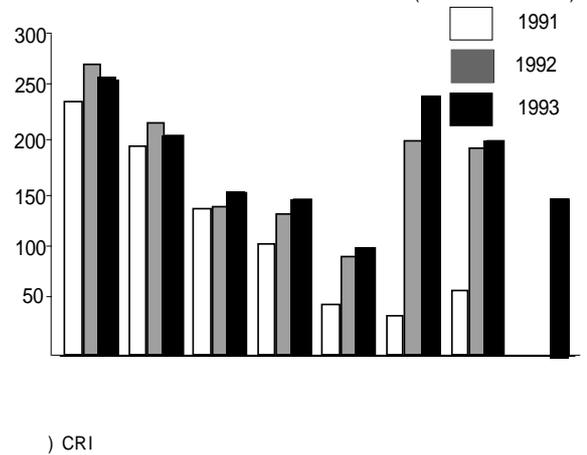
, 가

【 3】 (: 1000M/T, %)

	1991	1992	1993		1994	
	1,584.1	2,811.5	3,227.0	14.8	3,435.0	6.4
	284.9	49.0	—	—	—	—
	12.0	46.9	213.0	354.2	240.0	12.7
	1,857.0	2,813.6	3,014.0	7.1	3,195.0	6.0
	881.8	1,613.6	1,877.0	16.3	2,007.0	6.9
	301.3	108.7	62.0	43.0	60.0	3.2
	24.4	92.3	97.0	5.1	133.0	37.1
	1,158.7	1,630.0	1,842.0	13.0	1,934.0	5.0
	202.7	373.7	481.0	28.7	498.0	3.5
	7.1	—	—	—	—	—
	20.8	133.0	216.0	62.4	221.0	2.3
	189.0	240.7	265.0	10.1	277.0	4.5
	593.6	940.1	1,064.0	13.2	1,127.0	5.9
	296.3	280.9	220.0	21.7	160.0	27.3
	45.3	23.3	41.0	76.0	20.0	51.2
	844.6	1,197.7	1,243.0	3.8	1,267.0	1.9
	710.9	969.0	1,028.0	6.1	1,032.0	0.4
	68.6	147.4	260.0	76.4	330.0	26.9
	86.0	181.7	248.0	36.5	252.0	1.6
	693.5	934.7	1,040.0	11.3	1,110.0	6.7

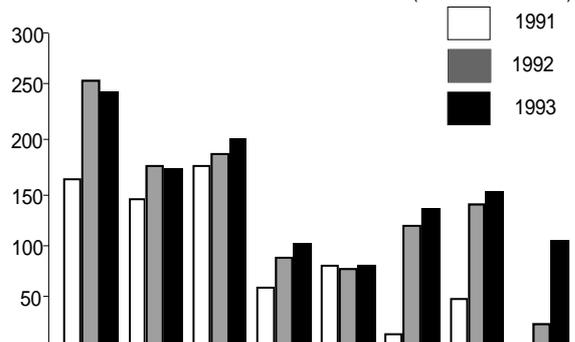
) '94

【 3】 PP (: 1000M/T)

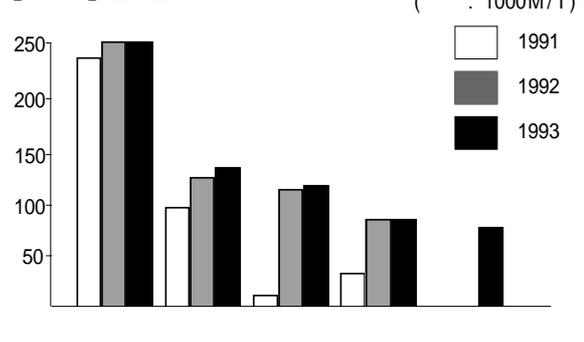


) CRI

【 4】 HDPE (: 1000M/T)



【 5】 LDPE (: 1000M/T)



가

【 6】

(: 1000M/T)

	1993								1994 ()							
	560	297	459	260	35	33	66	6	570	312	470	268	40	35	60	10
	501	295	405	231	4	31	87	34	600	350	510	265	10	35	80	50
	417	212	272	119	153	98	2	2	422	239	266	134	156	105	-	-
	404	112	425	113	-	-	9	-	400	160	400	149	-	-	-	5
	430	215	383	205	-	-	47	10	500	250	450	230	-	-	50	20
	334	191	317	189	-	-	16	-	395	226	346	210	-	-	50	16
	266	139	249	139	-	-	17	-	270	149	270	149	-	-	-	-
	392	189	392	141	-	-	-	39	390	195	390	148	-	-	-	32
	3,304	1,875	2,902	1,630	172	162	253	91	3,547	2,091	3,102	1,763	206	175	240	133

) CRI

5% 가

가

【 4】

(: 1000M/T)

		1983	1989	1991	1993	1995	2000	2005
		16,445	17,705	19,889	21,124	22,679	23,770	25,115
		1,555	2,370	2,495	2,530	3,060	3,465	3,775
		15,605	16,043	17,525	18,990	20,115	21,500	21,750
		4,644	5,318	6,031	6,564	7,064	8,088	8,088
		2,859	3,333	3,625	4,575	4,660	6,370	7,415
		5,332	7,157	6,697	7,602	8,277	9,957	9,957
		445	780	830	930	1,275	1,285	1,565
		380	2,390	2,720	3,122	4,357	5,747	5,747
		1,890	3,305	4,590	6,455	7,525	10,750	12,540
		563	1,140	1,765	1,935	3,170	6,284	8,315
		49,718	59,541	66,167	73,827	82,182	97,216	10,267
		38,795	53,938	58,381	63,370	68,822	83,161	96,662

) TECNON, 「The 1992 World Petrochemical Industry Survey, Olefin」 1992

【 5】

()

(: 1000M/T, %)

		1983	1989	1991	1993	1995
(A)		505	1,155	2,555	3,555	3,555
(B)		49,754	59,541	66,167	73,887	82,182
A/B		1.01	0.97	2.36	4.81	4.33
		17	14	7	5	5

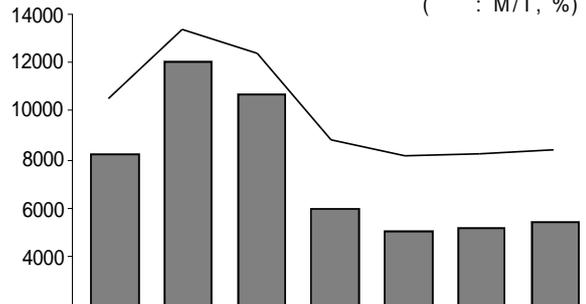
) (1992) TECNON

【 6】

PP

(1992)

(: M/T, %)



) CRI

343 5000 225 2000 , 34.4%

100

92 93 10 LDPE

16 PP 가 , 가

가 NCC 가 100% (98%), (88%)

NCC가 100% 가 114%

100%

38 37 2400 98%

38 31 4500 88%, 38 41 8000

110%, 1 15 5000 12 2400 2 36 39

6000 110% 가

가 31 2000 31 1000 100% 가

38 43 3200 , 114% 가 가

36 38 5200 , 107% 가

가 2 가

가 , 91 1 718 가 11 322

3 11 2 396 가

8 8 35

LDPE 93 3 757 11 743 14 가

8 10 가

50% 15% 가 가

가

5%

【 8】 5 PP (89 ~ 93) (: M/T,

1989	554,026	548,010	538,853	382,903	15,173	165,107	470,372	17.8
1990	631,937	606,698	616,113	455,011	15,824	151,687	547,956	15.3
1991	828,212	771,196	814,338	428,310	13,874	342,886	536,299	54.4
1992	1,248,710	1,226,876	1,241,085	538,521	7,625	688,355	633,835	96.2
1993	1,451,000	1,433,624	1,443,000	683,624	8,000	750,000	715,600	102

) CRI ()

3 NCC

5%

【 9】 HDPE (: M/T,

	1988	1989	1990	1991	1992	1993				
	271,821	345,102	27.0	495,245	43.5	696,171	40.6	1,082,776	55.5	1,209,000
	238,660	264,585	10.9	310,657	17.4	399,970	28.7	530,151	32.5	600,000
	41,690	52,510	26.1	33,210	36.8	24,350	26.7	14,553	40.2	10,000
	313,511	397,662	26.8	528,455	32.9	720,521	36.3	1,097,329	52.3	1,219,000
	309,252	351,211	13.6	404,256	15.1	471,612	16.7	603,574	28.0	618,000
	1.4	13.2	—	30.7	—	52.8	—	81.8	—	97

) CRI ()

95 2 8

가 80

가
가 , 94 354 7000 17 가
10
5% 가
5% 가 2~3%
2% 가 93
5% ,
가 ,
PP · HDPE · LDPE · LLDPE 4
95 2
가 , Furnace 가
, Furnace 가
가 가
, 가 2 80 가
80

【 10】 (: 1000M/T,)

		가	
PE		200	93
PE	PE	200	96
PP	PP	80	93
PP		120	92
PE	TPI	65	92
HDPE	TPI	75	93
HDPE	PE	40	93
HDPE	PE	200	94
PP	HMC	25	92
PP	TPI	70	92
PP	TPP	100	93
LLDPE	BP	100	93
LLDPE		150	96
HDPE	BP · PT	100	93
HDPE		150	96
PP		140	
PP	/	180	96

) GRI

【 11】 PE / PP (: 1000M/T)

	PE			PP		
	1991	1992	1993	1991	1992	1993
1	15.2	68.3	39.2	1	13.5	30.6
2	11.8	96.1	84.3	2	13.0	53.3
3	17.1	120.9	97.9	3	21.9	58.1
4	34.2	114.8	108.5	4	25.3	64.4
5	34.8	124.4	87.4	5	37.0	55.6
6	40.1	136.8	55.2	6	52.7	57.0
7	53.4	101.2	55.4	7	59.5	45.8
8	69.3	124.5	57.9	8	64.0	44.7
9	76.0	134.9	71.3	9	66.8	46.9
10	72.1	106.9		10	62.8	49.5
11	80.5	126.4		11	58.0	51.0
12	148.7	162.2		12	87.6	71.3
	358.9	1,417.4			562.1	628.2

)

가
, 가
95% 가 (PP 40 가 , PE 35 가)
가 () 80%

가

가

× ×

HDPE , LDPE · PP , LLDPE

가 가

2 5%

2 가

30 가 가

30 가 가

가

가

가

【 12】

(1994)

(: 1000M/T, %)

	1992						1993						1994 ()					
	LDPE		HDPE		PP		LDPE		HDPE		PP		LDPE		HDPE		PP	
	1,577	0	981	0	1,997	2	1,540	2	945	4	1,969	1	1,491	3	921	3	1,890	4
	44	35	10	103	21	66	47	7	35	237	13	38	57	20	45	28	20	50
	1,621	1	992	0	2,018	1	1,587	2	980	1	1,982	2	1,548	2	966	1	1,910	4
	309	29	150	10	218	15	227	27	102	32	170	22	180	21	80	21	120	30
	1,886	4	1,132	1	2,215	4	1,767	6	1,046	7	2,139	3	1,671	5	100	4	2,010	6
	1,886	2	1,108	4	2,215	4	1,739	7	1,028	7	2,085	2	1,660	5	999	3	1,997	4
	270	5	160	2	342	5	238	12	139	-	285	-	223	-	133	-	268	-
()	1.7	-	1.8	-	1.9	-	1.6	-	1.6	-	1.6	-	1.6	-	1.6	-	1.6	-

) CRI

가

100%
가

가

가

가

가

()

가 100%

5%

5%

NCC
가

가
, 가

가

1000

94 95 2
가

66 7400 72

5%

가

가

가

가

【 13】 가 (1993)

(: /MT)

		3	5	7	8	9	10	11
		360~448 355~365	350~433 350~360	343~407 338~343	341~405 315~325	342~405 310~320	321~377 305~315	322~379 290~300
		333 310~320	303 280~290	286 280~290	286 273~283	286 273~280	269 260~270	269 250~260
S M		694 475~485	664 530~540	663 525~530	648 500~510	649 475~485	627 460~470	629 470~480
L D P E		757 700~740	752 690~730	747 640~670	742 640~660	743 610~630	740 600~620	743 610~630
P P		580 460~520	576 500~550	573 540~580	569 550~590	570 540~570	567 520~560	570 530~580
P S		1,123 620~640	1,115 680~700	1,108 700~720	1,101 615~630	1,102 615~630	1,097 590~620	1,103 640~670
T P A	가	617 540	624 577	628 547	628 578	628 555	628 551	628 560
E G	가	430 402	430 412	410 315~325	410 315~320	410 312~317	390 319~324	390 332~337
S B R		958~977 1,057	966~985 1,057	942~961 1,053	929~948 1,047	930~948 1,048	931~950 1,043	930~949 1,048

) 1. 가 CIF 가 2. TPA, EG 가 가 ,) '94

가

가
가

가 가

가

【 14】

(: 1000M/T, %)

	1991	1992	1993		1994	
	3,394.8	4,791.8	5,182.0	8.1	5,483.0	5.8
	221.5	127.5	132.0	3.5	116.0	12.1
	960.2	1,912.4	2,220.0	16.1	2,340.0	5.4
	2,656.1	3,006.9	3,094.0	2.9	3,259.0	5.3
	1,391.0	1,798.6	1,978.0	10.0	2,046.0	3.4
	891.9	785.9	864.0	9.9	889.0	2.9
	86.4	158.2	114.0	27.9	55.0	51.8
	2,196.5	2,426.3	2,728.0	12.4	2,880.0	5.6
	175.3	207.3	230.0	11.0	235.0	2.2
	47.4	47.5	34.0	28.4	32.5	4.4
	52.5	82.7	93.0	12.5	94.0	1.1
	170.2	172.1	171.0	0.6	173.5	1.5
	4,961.1	6,797.7	7,390.0	8.7	7,764.0	5.1
	1,160.8	960.9	1,030.0	7.2	1,037.5	0.7
	1,099.1	2,153.3	2,427.0	12.7	2,489.0	2.6
	5,022.8	5,605.3	5,993.0	6.9	6,312.5	5.3

) LDPE, HDPE, PP, PS, ABS, PVC . CPLM, AN, EG, TPA,
DMT SBR, BR
) '94

4 가 가
PP
91 10
7 5202
4 9593 2
5609
898
가
12 8 5386
5 57
3 5329
, 가
893 1
5 가
가

93 12 72 7400 가 570 91 12 893
323 가 69 2071 323 가

PP 1 4~5 가
가

90

가

가

1

가

가

가

가

가

2

()

1. 가 5%

2. : PP, HDPE, LDPE, L-LDPE
: 1994 ~ 1995(2)

3. 1)

- 가 ()
- Furnace
- 가 Furnace

【 1】 LDPE (: 1000)

	가		1991 1992 1993				
			1991	1992	1993		
223	8,000	223	235	250	249	250	250
120	8,000	120	99	126	135	135	135
100	7,200	111	19	115	120	120	120
92	8,000	92	33	88	88	88	92
100	7,200	111	—	—	82	82	111
635	—	657	386	579	674	675	708

【 2】 PP (: 1000)

	가		1991 1992 1993				
			1991	1992	1993		
350	8,000	350	235	270	255	270	350
220	8,000	220	194	216	205	216	220
165	8,000	165	137	139	152	152	165
100	8,000	111	103	132	145	145	145
80	7,200	89	47	92	100	100	100
170	7,200	189	38	200	241	241	241
175	8,000	175	61	192	200	200	200
160	7,200	178	—	—	145	145	178
1,420	—	1,477	815	1,241	1,443	1,469	1,599

【 3】 HDPE (: 1000)

	가		1991 1992 1993				
			1991	1992	1993		
270	8,000	270	165	260	249	260	270
200	8,000	200	146	179	175	179	200
150	8,000	150	178	189	205	205	205
113	8,000	113	61	90	102	102	113
40	7,200	44	82	78	81	82	81
100	7,200	111	15	121	139	139	139
120	8,000	120	49	141	153	153	153
120	7,700	125	—	25	105	105	125
1,113	—	1,133	696	1,083	1,209	1,225	1,286

< > (: %)

	1994				1995			
	1/4	2/4	3/4	4/4	1/4	2/4	3/4	4/4
	30	40	45	50	55	60	65	70
70	60	55	50	45	40	35	30	
100	100	100	100	100	100	100	100	

【 4】 L-LDPE (: 1000)

	가		1991 1992 1993				
			1991	1992	1993		
80	8,000	80	71	86	91	91	91
80	7,200	89	41	78	88	88	88
60	7,200	67	—	41	72	72	72
100	7,200	111	—	—	—	—	111
80	8,000	80	—	—	—	—	80
400	—	427	112	205	251	251	442

2 ('94~'95) 80 가
30 가

【 5】 LDPE () (: 1000 , %)

					1993	1994		1995		(/)		
		250.0	100.9	205.4	204.1	193.1	205.4	191.7	205.4			
		35.3	55.3	51.5	51.6	45.2	48.1	41.6	44.5	1.5657	1.1770	1.2607
		135.0	33.2	72.4	71.9	76.7	71.7	84.6	80.4			
		19.1	18.2	18.2	18.2	18.0	16.8	18.3	17.4	0.9541	0.9620	0.9139
		120.0	24.7	56.7	55.6	62.0	57.9	70.9	67.4			
		16.9	13.5	14.2	14.1	14.5	13.6	15.4	14.6	0.7985	0.9073	0.8619
		92.0	21.2	44.9	44.7	50.4	47.1	56.4	53.5			
		13.0	11.6	11.3	11.3	11.8	11.0	12.2	11.6	0.8940	0.9409	0.8923
		111.0	2.5	19.2	19.2	45.0	45.0	57.6	54.7			
		15.7	1.4	4.8	4.9	10.5	10.5	12.5	11.9	0.0874	0.7969	0.7562
		708.0	182.5	398.6	395.5	427.1	427.1	461.4	461.4			
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	—	—	—

) / '94.1/4 0.6, 2/4 0.65, 3/4 0.7

. 가

+ (Furnace / Furnace) 80 (2)

. 가

[Emergency Shutdown (3)
Ethane Furnace
Furnace

가

, 가

95%

2)

가 ()

[PP : 40 가
PE : 35 가

가 가

, 가

95%

. Emergency Shutdown 가 (3)

< >

	1/4	2/4	2/4	2/4	2/4	2/4
PP, HDPE, SLPE	0.4	0.5	0.55	0.6	0.65	0.7
L-LDPE	0.5	0.6	0.65	0.7	0.75	0.8

< >

HDPE		'92. 9	'92. 4/4	'94. 1/4
P P		'93. 1	'93. 2/4	'94. 3/4
LDPE		'93. 3	'93. 2/4	'94. 3/4
L-LDPE		'93. 7	'94. 3/4	'95. 4/4
		'94. 7	'94. 3/4	'95. 4/4

가 () 80%

4.

가

1.

: PP, HDPE, LDPE, L-LDPE
'94. 1 ~ '95. 12(2)

2.

【 6】 PP () (: 1000 , %)

					1993	1 9 9 4		1 9 9 5		(/)		
		350.0	68.3	36.5	145.8	164.1	161.3	179.1	176.9			
		21.9	20.9	20.4	20.4	21.2	20.9	21.5	21.2	0.9542	0.9803	0.9683
		220.0	57.9	31.0	123.8	123.7	123.8	126.7	125.2			
		13.8	17.7	17.3	17.3	16.0	16.0	15.2	15.0	1.2869	1.1036	1.0903
		165.0	52.6	27.2	108.6	105.4	108.6	103.7	108.6			
		10.3	16.1	15.2	15.2	13.6	14.1	12.4	13.0	1.5588	1.2043	1.2610
		145.0	35.8	19.0	76.0	78.3	77.0	81.3	80.3			
		9.1	10.9	10.6	10.6	10.1	10.0	9.7	9.6	1.2073	1.0740	1.0610
		100.0	27.0	15.4	61.4	57.2	61.4	58.2	61.4			
		6.3	8.3	8.6	8.6	7.4	7.9	7.0	7.4	1.3203	1.1159	1.1764
		241.0	37.3	20.5	82.0	99.6	97.9	114.1	112.8			
		15.1	11.4	11.5	11.5	12.9	12.7	13.7	13.5	0.7568	0.9071	0.8967
		200.0	34.0	20.3	81.1	86.8	85.4	97.6	96.4			
		12.5	10.4	11.3	11.3	11.2	11.0	11.7	11.6	0.8313	0.9347	0.9235
		178.0	14.1	9.2	36.9	57.6	57.5	73.9	73.0			
		11.1	4.3	5.2	5.2	7.4	7.4	8.9	8.7	0.3873	0.7951	0.7857
		1,599.0	327.0	178.9	715.6	772.7	772.9	834.6	834.6			
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	—	—	—

) / '94.1/4 0.6, 2/4 0.65, 3/4 0.7

3.

$$1) \quad = = \times CF + \times MF$$

[CF :
MF :

2)

Plant Swing(L-LDPE HDPE) ('92.3) (8,000 가)

【 7】 HDPE () (: 1000 , %)

					1993	1 9 9 4		1 9 9 5		(/)		
		270.0	51.4	27.1	108.2	126.9	125.3	142.3	141.1			
		21.0	18.1	17.5	17.5	19.0	18.8	19.7	19.6	0.8608	0.9400	0.9321
		200.0	65.3	33.9	135.6	130.6	135.6	130.6	135.6			
		15.6	23.0	21.9	21.9	19.6	20.3	18.1	18.8	1.4764	1.1647	1.2093
		205.0	47.2	25.3	101.2	107.4	106.1	115.6	114.6			
		15.9	16.6	16.4	16.4	16.1	15.9	16.0	15.9	1.0411	1.0058	0.9971
		113.0	26.4	13.8	55.3	59.7	59.0	64.1	63.5			
		8.8	9.3	8.9	8.9	8.9	8.8	8.9	8.8	1.0564	1.0118	1.0023
		81.0	18.0	9.1	36.4	41.6	41.0	45.1	44.8			
		6.3	6.3	5.9	5.9	6.2	6.1	6.3	6.2	1.0048	0.9931	0.9865
		139.0	26.1	16.4	65.7	64.9	65.7	72.9	72.3			
		10.8	9.2	10.6	10.6	9.7	9.8	10.1	10.0	0.8491	0.9354	0.9277
		153.0	32.3	17.6	70.4	76.2	75.3	83.6	82.8			
		11.9	11.4	11.4	11.4	11.4	11.3	11.6	11.5	0.9546	0.9746	0.9653
		125.0	17.7	11.3	45.2	60.1	59.4	66.8	66.3			
		9.7	6.2	7.3	7.3	9.0	8.9	9.3	9.2	0.6403	0.9532	0.9460
		1,286.0	284.4	154.5	618.0	667.4	667.4	721.0	721.0			
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	—	—	—

) / '94.1/4 가 가 .

【 8】 L-LDPE () (: 1000 , %)

					1993	1 9 9 4		1 9 9 5		(/)		
		91.0	28.5	14.7	58.8	57.3	57.3	47.9	47.9			
		20.6	41.2	39.3	39.3	34.8	34.8	26.5	26.5	2.0004	1.2865	1.2865
		88.0	24.2	13.0	51.9	50.5	50.5	43.5	43.5			
		19.9	35.0	34.7	34.7	30.7	30.7	24.0	24.0	1.7565	1.2060	1.2060
		72.0	16.5	9.7	38.9	36.4	36.4	32.7	32.7			
		16.3	23.8	26.0	26.0	22.1	22.1	18.1	18.1	1.4638	1.1095	1.1095
		80.0	—	—	—	8.6	8.6	23.9	23.9			
		18.1	—	—	—	5.2	5.2	13.2	13.2	—	0.7284	0.7284
		111.0	—	—	—	11.9	11.9	33.0	33.0			
		25.1	—	—	—	7.2	7.2	18.2	18.2	—	0.7265	0.7265
		442.0	69.2	37.4	149.6	164.6	164.6	181.0	181.0			
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	—	—	—

) / '94.3/4 0.5, 4/4 0.6, '95.1/4 0.65, 2/4 0.7, 3/4 0.75, 4/4 0.8 .

가

PP, HDPE, LDPE : 8%

L-LDPE : 10%

3)

(/)

'93.4/4

(L-LDPE)

【 9】 PP (. .) (: 1000 , %)

				1993			1 9 9 4					1 9 9 5				
				(1~12)	(3/4)		1/4	2/4	3/4	4/4	1~12	1/4	2/4	3/4	4/4	1~12
		350.0	68.3	145.8	36.5	36.7	39.3	40.5	41.5	42.7	164.1	42.9	44.1	45.4	46.7	179.1
		21.9	20.9	20.4	20.4	20.2	21.1	21.2	21.3	21.3	21.2	21.4	21.4	21.5	21.5	21.5
		220.0	57.9	123.8	31.0	31.7	30.7	30.7	31.0	31.4	123.7	31.0	31.5	31.9	32.3	126.7
		13.8	17.7	17.3	17.3	17.4	16.5	16.1	15.9	15.7	16.0	15.5	15.3	15.1	14.9	15.2
		165.0	52.6	108.6	27.2	25.6	25.6	26.2	26.2	26.3	105.4	25.8	25.9	26.0	26.1	103.7
		10.3	16.1	15.2	15.2	14.1	14.3	13.7	13.4	13.1	13.6	12.9	12.6	12.3	12.0	12.4
		145.0	35.8	76.0	19.0	20.1	19.3	19.4	19.7	20.0	78.3	19.8	20.1	20.5	20.8	81.3
		9.1	10.9	10.6	10.6	11.1	10.3	10.2	10.1	10.0	10.1	9.9	9.8	9.7	9.6	9.7
		100.0	27.0	61.4	15.4	16.3	14.2	14.2	14.3	14.5	57.2	14.3	14.5	14.6	14.8	58.2
		6.3	8.3	8.6	8.6	9.0	7.6	7.4	7.3	7.2	7.4	7.1	7.0	6.9	6.8	7.0
		241.0	37.3	82.0	20.5	19.9	23.2	24.5	25.4	26.4	99.6	26.8	27.9	29.1	30.2	114.1
		15.1	11.4	11.5	11.5	10.9	12.5	12.9	13.0	13.2	12.9	13.4	13.6	13.8	13.9	13.7
		200.0	34.0	81.1	20.3	21.7	20.5	21.4	22.1	22.8	86.8	23.1	23.9	24.8	25.7	97.6
		12.5	10.4	11.3	11.3	11.9	11.0	11.2	11.3	11.4	11.2	11.5	11.6	11.7	11.9	11.7
		178.0	14.1	36.9	9.2	9.9	12.4	13.8	15.2	16.2	57.6	16.8	17.9	19.0	20.2	73.9
		11.1	4.3	5.2	5.2	5.4	6.7	7.2	7.8	8.1	7.4	8.4	8.7	9.0	9.3	8.9
		1,599.0	327.0	715.6	178.9	181.9	186.3	190.8	195.4	200.2	772.7	200.6	205.9	211.3	216.9	834.6
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

) 1. / '94.1/4 가 가
 2. 가 '94 '93.3/4 가 0.6, 2/4 0.65, 3/4 0.7 가 2.42%, '95 '94.3/4 2.64% 가 가 .

【 10】 HDPE (. .) (: 1000 , %)

				1993			1 9 9 4					1 9 9 5				
				(1~12)	(3/4)		1/4	2/4	3/4	4/4	1~12	1/4	2/4	3/4	4/4	1~12
		270.0	51.4	108.2	27.1	25.3	30.2	31.3	32.3	33.2	127.0	33.7	34.9	36.2	37.5	142.3
		21.0	18.1	17.5	17.5	15.9	18.6	19.0	19.1	19.3	19.0	19.5	19.7	19.8	20.0	19.7
		200.0	65.3	135.6	33.9	35.0	33.0	32.5	32.5	32.6	130.6	32.2	32.5	32.8	33.0	130.6
		15.6	23.0	21.9	21.9	22.0	20.3	19.7	19.3	19.0	19.6	18.6	18.3	17.9	17.6	18.1
		205.0	47.2	101.2	25.3	25.1	26.1	26.6	27.1	27.6	107.4	27.8	28.5	29.3	30.0	115.6
		15.9	16.6	16.4	16.4	15.8	16.1	16.1	16.1	16.1	16.1	16.1	16.0	16.0	16.0	16.0
		113.0	26.4	55.3	13.8	13.9	14.5	14.8	15.1	15.3	59.7	15.4	15.8	16.2	16.6	64.1
		8.8	9.3	8.9	8.9	8.8	9.0	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
		81.0	18.0	36.4	9.1	9.1	10.1	10.3	10.5	10.7	41.6	10.8	11.1	11.4	11.7	45.1
		6.3	6.3	5.9	5.9	5.7	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.3	6.3	6.3
		139.0	26.1	65.7	16.4	18.9	15.4	16.0	16.5	17.0	64.9	17.3	17.9	18.6	19.2	72.9
		10.8	9.2	10.6	10.6	11.9	9.5	9.7	9.8	9.9	9.7	10.0	10.1	10.2	10.3	10.1
		153.0	32.3	70.4	17.6	18.4	18.3	18.8	19.3	19.7	76.2	20.0	20.6	21.2	21.9	83.6
		11.9	11.4	11.4	11.4	11.6	11.3	11.4	11.4	11.5	11.4	11.5	11.6	11.6	11.7	11.6
		125.0	17.7	45.2	11.3	12.1	14.4	14.9	15.3	15.7	60.1	15.9	16.4	17.0	17.5	66.8
		9.7	6.2	7.3	7.3	8.2	8.9	9.0	9.1	9.1	9.0	9.2	9.2	9.3	9.4	9.3
		1,286.0	284.4	618.0	154.5	158.8	162.0	165.2	168.5	171.8	667.4	173.1	177.8	182.6	187.6	721.0
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

) 1. / '94.1/4 가 가
 2. 가 '94 '93.3/4 가 1.99%, '95 '94.3/4 2.72% 가 가 .

【 11】 LDPE (. .) (: 1000 , %)

				1993			1994					1995				
				(1~12)	(3/4)		1/4	2/4	3/4	4/4	1~12	1/4	2/4	3/4	4/4	1~12
		250.0	100.9	204.1	51.0	51.6	48.8	48.1	48.0	48.1	193.1	47.5	47.8	48.1	48.4	191.7
		35.3	55.3	51.6	51.6	50.9	47.2	45.5	44.5	43.7	45.2	42.8	42.0	41.2	40.3	41.6
		135.0	33.2	71.9	18.0	19.3	18.4	19.0	19.4	19.9	76.7	20.2	20.8	21.5	22.2	84.6
		19.1	18.2	18.2	18.2	19.0	17.8	18.0	18.0	18.1	18.0	18.2	18.3	18.4	18.5	18.3
		120.0	24.7	55.6	13.9	14.3	14.5	15.3	15.8	16.3	62.0	16.7	17.4	18.1	18.8	70.9
		16.9	13.5	14.1	14.1	14.1	14.0	14.5	14.6	14.8	14.5	15.1	15.3	15.5	15.7	15.4
		92.0	21.2	44.7	11.2	10.1	12.0	12.5	12.8	13.2	50.4	13.4	13.8	14.3	14.9	56.4
		13.0	11.6	11.3	11.3	10.0	11.6	11.8	11.9	12.0	11.8	12.1	12.2	12.3	12.4	12.2
		111.0	2.5	19.2	4.8	6.1	9.7	10.8	11.9	12.6	45.0	13.1	14.0	14.8	15.7	57.6
		15.7	1.4	4.9	4.9	6.0	9.4	10.2	11.0	11.4	10.5	11.8	12.3	12.7	13.1	12.5
		708.0	182.5	395.5	98.9	101.4	103.5	105.7	107.9	110.1	427.1	110.8	113.8	116.8	120.0	461.4
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

1. / '94.1/4 0.6, 2/4 0.65, 3/4 0.7 .
 2. 가 '94 '93.3/4 가 2.08%, '95 '94.3/4 2.70% 가 가 .

【 12】 L-LDPE (. .) (: 1000 , %)

				1993			1994					1995				
				(1~12)	(3/4)		1/4	2/4	3/4	4/4	1~12	1/4	2/4	3/4	4/4	1~12
		91.0	28.5	58.8	14.7	14.1	15.5	16.0	13.0	12.7	57.3	12.1	12.0	11.9	11.8	47.9
		20.6	41.2	39.3	39.3	38.1	40.2	39.8	31.0	29.1	34.8	28.1	27.0	26.0	25.0	26.5
		88.0	24.2	51.9	13.0	12.3	13.5	14.1	11.5	11.4	50.5	10.9	10.9	10.9	10.8	43.5
		19.9	35.0	34.7	34.7	33.2	35.0	35.0	27.4	25.9	30.7	25.2	24.4	23.7	22.9	24.0
		72.0	16.5	38.9	9.7	10.6	9.6	10.1	8.4	8.3	36.4	8.1	8.1	8.2	8.3	32.7
		16.3	23.8	26.0	26.0	28.6	24.8	25.2	19.9	19.0	22.1	18.7	18.3	17.9	17.5	18.1
		80.0	—	—	—	—	0.0	0.0	3.8	4.8	8.6	5.1	5.7	6.2	6.9	23.9
		18.1	—	—	—	—	0.0	0.0	9.0	10.9	5.2	11.8	12.8	13.6	14.5	13.2
		111.0	—	—	—	—	0.0	0.0	5.3	6.6	11.9	7.1	7.8	8.6	9.5	33.0
		25.1	—	—	—	—	0.0	0.0	12.5	15.1	7.2	16.3	17.6	18.8	20.1	18.2
		442.0	69.2	149.6	37.4	37.0	38.6	40.3	42.0	43.8	164.6	43.2	44.6	45.9	47.3	181.0
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

1. / '94.3/4 0.5, 4/4 0.6, '95.1/4 0.65, 2/4 0.75, 3/4 0.75, 4/4
 0.6, '95.1/4 0.65, 2/4 0.7, 3/4 0.75, 4/4 0.8 .
 2. 가 '94 '93.3/4 가 4.30%, '95 '94.3/4 3.02% 가 가 .