

<PBT >

92

8000

GE

80%

가 PBT/PC

PBT 1982 PC GE가 84 FORD 가 ,

86 GE plastics(Theo Peters)가 88

Back Beam 91 가 , Facia , 91 2/4 , ,

-AKZO PP(Poly Propylene) PU(Poly Urethane)가 , PBT/PC

가 가 (25kg), 가

가 Solvent 가

가 가

PBT/PC , 91 2 9500 ,

1 5000 , 2700 4 8100 < 1 >

< 1> PBT/PC ()

< 2> PBT/PC ()

(:)

(: , %)

	1986	1991	1997
	9,500	29,500	37,700
	9,500	15,000	21,320
	950	2,700	5,500
	450	900	1,730
	20,400	48,100	66,250

	1991		1992	
		M/S		M/S
G E	6,500	92.9	6,500	81.3
	350	5	1,300	16.2
	150	2.1	200	2.5
	7,000		8,000	

가 , GE

50% 가

TPO 가

PBT/PC 91 7000 , 8000

PBT/PC 8000 3 . 1.5 . 3000

88 GE가 91 6500 92.9% , 91

가 350 5% , 2.1%

GE 91 , 16%

< 2 >

90%

가
TV , Switch , Connector 가
Body panel Housing
가
가
Styling
가가

< 3> PBT

PBT/PET	GE Hoechst-Celanese	<VALOX> <CELANEX>
PBT/PC	GE Bayer 帝人 三菱化成 三菱 三菱瓦斯化學	<XENOY> <MAKROBLEND> <H > <BCT> < > < > < >
PBT/	GE Hoechst-Celanese Bayer 三菱化成	<VALOX> <DURALOY> <POCAN> < -PBT> < >ST
PBT/ABS	化學 三菱 GE	< >B < > < > <GEMAX>
	Dupont	<BEXLOY>V <BX06>

< 4> PBT () (:)

	PBT/PET			PBT/ABS			PBT/Elastomer		
	1986	1991	1996	1986	1991	1996	1986	1991	1996
	4,538	6,352	9,000	454	1,815	3,200	4,537	12,704	18,000
	1,815	2,722	3,600	1,361	2,268	3,600	907	2,268	4,500
	3,176	4,991	7,300	454	1,815	2,800	454	2,268	4,000
	460	907	1,400	-	454	450	-	454	1,800
	9,989	14,972	21,300	2,269	6,352	10,050	5,898	17,694	28,300
	7.5~8%			19~20%			16~17%		

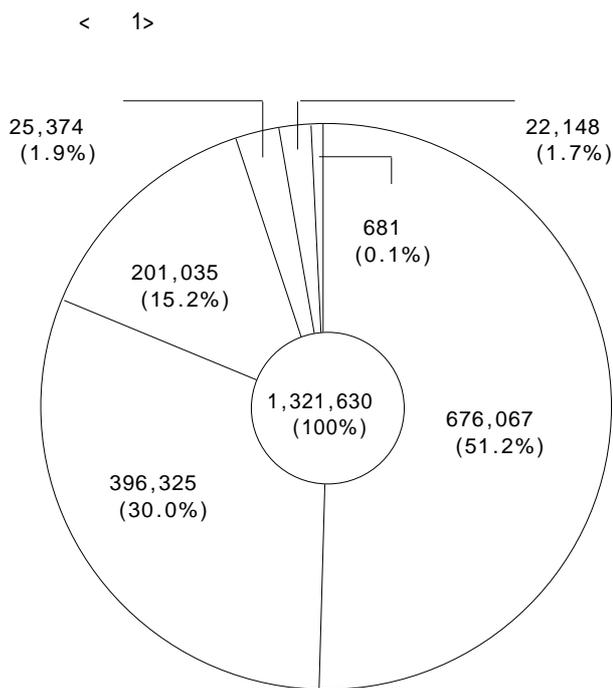
PBT/PC 가 PP Azdel Beam

PBT/PC GE
 GE PBT/PC 91 , 92 , 93
 95
 GE 3 가
 Spec 가
 GE 가
 Facia

1 60%
 A/S 가 97~98

60%
 () 1
 () , PC가
 가

PBT PC PET, ABS, Elastomer
 , PBT 가 < 3 > 가



PBT
 , 91 PBT/PET
 6352 , 2722 , 4991
 1 4972 , PBT/ABS
 1815 , 2268 , 1815
 6352 , PBT/Elastomer 1
 2704 , 2268 , 2268
 1 7694
 PBT/PET 8%, PBT/ABS
 19~20%, PBT/Elastomer 16~17% 가
 <
 4 >
 86 2 1000 96 5
 8000 , 1 890
 2 6750 , 1 7241 3
 9020

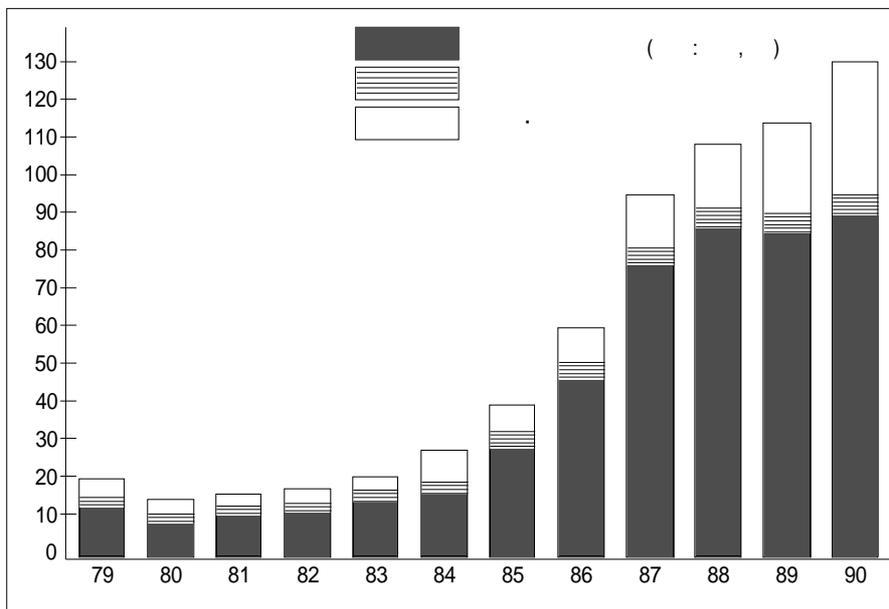
가 가 , 가 29% 34% ,
 가 21% 15% , 가 11% 26% ,
 . 가 가 < 5 >

< 5> Polyester () (: , %)

	1986						1996					
	7,260	35	3,176	29	1,815	11	23,140	39	9,070	34	10,000	26
.	9,989	48	4,991	46	11,343	66	26,300	46	12,700	47	20,870	53
가	2,269	11	2,269	21	2,722	16	5,450	10	4,080	15	5,450	14
/	1,361	6	454	4	1,361	7	3,180	5	900	4	2,700	7
	20,879	100	10,890	100	17,241	100	58,070	100	26,750	100	39,020	100

가 PBT Styrec , . Frame
 MPPO PPO/ABS 가
 가 PBT/PC 가
 < 6, 1,2 >

< 2>



가

< 6>

()

(:1000 , %)

	1991		1992		1993		1994		1995	
	9,644	-7.0	10,488	8.8	10,765	2.6	11,081	2.9	11,230	1.3
	12,901	-2.2	13,442	4.2	14,076	4.7	14,398	2.3	14,730	2.3
	4,941	-3.2	5,056	2.3	5,225	3.3	5,374	2.8	5,497	2.3
	2,148	4.7	2,282	6.2	2,400	5.2	2,544	6.0	2,679	5.3
	1,257	2.8	1,323	5.2	1,408	6.4	1,506	7.0	1,613	7.1
	2,046	-11.0	1,937	-5.3	1,892	-2.3	2,042	8.0	2,333	14.2
	1,491	8.6	1,574	5.6	1,614	2.5	1,698	5.2	1,753	3.3
	34,428	-3.3	36,101	4.9	37,379	3.5	38,643	3.4	39,835	3.1

GE, Dupont

CAE

가

3~5

< 1992/3/1>