

<PC >

1500

5

가 가“ ”

PC/ABS

Borg-Warner가 1967

PC 가

1984 HONDA CR-X
84 ()

()

가 70~80%

< 1>

15% 가

Bayer, GE

	PC	ABS	PC/ABS Alloy
가	x x	x x	

89

()

, 91

30.8%

가 46.2%

15.4%

() 91 2/4

PC/ABS

SCRAP

가

PC가

가

, ABS

() PC, ABS, PC/ABS Alloy

: , : , x:

가

1 >

PC

1.5~2

가

, HDT(

) 115

92

1500 ,

90 1000 91 1300 가 , 92 1500

가 20%

89 650 (72.2%), 200 (22.2%), Bayer · GE 50

(5.6%) , 90 550 (55.0%), 200 (20.0%),

200 (20.0%) , 91 600 (46.2%), 200 (15.4%), 400

(30.8%)

< 2> PC/ABS

(: , %)

	1989		1990		1991		1992	
		M/S		M/S		M/S		M/S
	650	72.2	550	55	600	46.2	400	26.7
	200	22.2	200	20	200	15.4	200	13.3
	-	-	200	20	400	30.8	800	53.3
	50	5.6	50	5	100	7.6	100	6.7
	900		1,000		1,300		1,500	

92 , 1500 가 400 26.7%, 200
 13.3%, 800 53.3% .< 2 >
 PC/ABS , OA ,

가가 , ABS, CTE/ABS MPPO

MPPO 가 ABS가 GE plastics
 2500 가 , PC/ABS 가

In-panel 가 ABS PP GF 가
 , MPPO가 pride
 PC/ABS , 가
 ABS

< 3> PC/ABS

O A	Computer, Type writer, Copy machine, Hair dryer, Ventilator, Vacuum cleaner, Air-conditioner, Sound, VTR Front panel, Switch, Fax frame, PPC cover, Bobbin, Electrical case, Sash, CRT case Botton, Hand holder, Stereo head phone, Meter cover, Video tuner, Audio sets, Tape recoder, Coffee maker, Lamp cover, Transformer, Relay case, Cake maker, TV maker, TV cover, Telephone set,
	Radiator grille, Instrument panel, Facia panel, Wheel cover, Cluster, Front transverse, Bonnet assembly,
	Fender, Head lamp cover, Tail gate finisher, Door mirror, Door handle, Speaker grille
	Radar dome, Frame, Helmet, Electric motor cover, Dust cover, Institutional food serving tray, Chain saw guards, Shower heads,

가 MPPO · ABS
 20%, (OA ,) 60%,
 20% 가 .< 1 >
 가가 OA

, , ABS AES ,
 In-panel , Ductility가 PC/ABS
 가

OA
 PC Teijin
 89 가 가 ,

ABS

가

가

EP가

Nylon ABS

ABS 가

가

SAAB-SCANIA
 91 50 120 89 91 15 88 48.5

가

가

가

가

가

PC/ABS 가 MPPO

ABS 가

가

Br(), Cl()

P()

PC/ABS

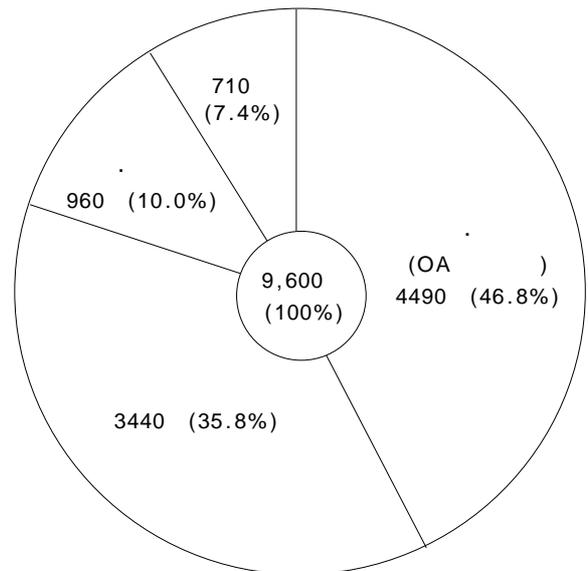
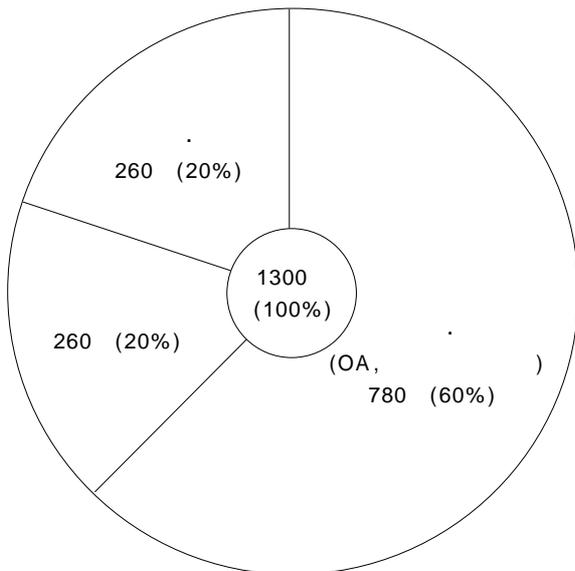
가가

가

Recycle

< 1> PC/ABS

< 2> PC/ABS



Recycling

PC/ABS , 87 6390 90 9600 가 , 95
 1 5370 .< 4
 >

< 4> PC/ABS

(:)

	1987	1988	1989	1990	1995	1997
	6,390	7,410	8,490	9,600	15,370	17,000

가 가 가 PP 가
 90 3440 (34.8%), 4490 (46.8%),
 710 (7.4%), 960 (10.0%) .< 2 >
 가 가 PC가
 가 가 가
 , PC
 , 가
 , PC/ABS OA 가
 , HDT가
 .
 < 1992/3/1>