EP,

“ ”

8- 10% ... PC · SPS · PEEK · LCP

EP(Engineering Plastic) 가 2002 8-10% .
가 EP .가 EP 가 가

EP 가 , PC(Polycarbonate) EP
가

EP 6% POM(Polyoxymethylene), PA(Polyamide), PBT(Polybutylene
Terephthalate), m-PPE(modified Polyphenylene Ether), PC 5가 가
5 EP 1998 80 (3200) 2003 100 (4000) 5 25% 가

5 (: 1000M/T)

PA	24	, , , DuPont	AlliedSignal, DuPont
PC	40	GE, , Bayer, Dow	GE, Bayer, Dow
POM	45	KEP, LG , DuPont	DuPont, Hoechst
PBT	20	LG , , Rhodia,	GE, Hoechst
m-PPE	12	GE, BASF	GE, BASF, Sumitomo Chemical

+ PA 2000 PC POM 1998

++ PBT m-PPE

EP 1 , IMF EP

EP , LG AlliedSignal,
Rhodia, Mitsubishi Chemical, GE
EP

5 (: 1000M/T)

	1994	1996	1998	2003
	600	750	800	1,000

, EP 가 , EP
가 EP

EP R&D 가 가
PEEK(Polyether Ether Ketone), SPS(Syndiotactic Polystyrene), LCP(Liquid Crystal Polymer)

가 EP 500 kg/cm² 20000 kgf/cm² 100

5 EP (1998) (: %)

	PC	PA	POM	m-PPE	PBT
1990	20	33	25	12	10
1998	40	25	15	12	8

가 kg 100-300 , EP 300-400

, LDPE(Low-Density Polyethylene), HDPE(High-Density Polyethylene), PP(Polypropylene), PVC(Polyvinyl Chloride), PS(Polystyrene), ABS(Acrylonitrile Butadiene Styrene) 6 가

가

1998 327 , 1999 446 , 2000 492 ,
 26.6%, 14.6%, Sheet 13.5%, 9.9% 4가
 1997 1 42%, 15%, 12%, 4%

5 EP

PA	Totay, Ube, Mitsubishi EP, Unitika, DuPont	
PC	帝人化成, Mitsubishi EP, 出光石油化學, 日本GE, Sumitomo Dow	CD-ROM
POM	Polyplastics, 旭化成, Mitsubishi EP, DuPont	
PBT	Polyplastics, Toray, 日本GE, Mitsubishi EP, 帝人化成	
m-PPE	日本GE, 旭化成, Mitsubishi EP	

, 1 가

, 가 5000