

가

Carbon Black) (Spraying or Dipping) (Carbon Fiber), (Silver
 or Gold), (Nickel or Copper), (Compounding) 가 (Silver
 Compounding) (Spraying or Dipping) 가 (Solvent)
 (Solvent) 가 (Solvent)

가

가

가

PO), (Polycarbonate, PC), (Polyphenyleneoxide or Polyphenyleneether, P
 BT), (Polysulfone, PSU), (Polybutyleneterephthalate, P
 (Polyethersulfone, PES), (Polyethyleneterephthalate, PET),
 (Polystyrene, PS), (Polyphenylenesulfide, PPS),
 S), (Polyetherimide, PEI), (Acrylo - Butadiene - Styrene Co - Polymer, AB
 (Polymethylmetaacrylate, PMMA), (Polyamide, PA),
 (Polypropylene, PP), (POM), (Polyethylene, PE),
 (Etylene - Propylene Rubber, EPR), (Stylene - butadiene rubber, SBR),
 EPDM) (Ethylene - Propylene - Diene Rubber,

가

1) "가" (PPO, PC, PEI, PSU, PES, PPS)

"가" 가 100
 PPO, PC, PEI, PSU, PES, PPS

(, ,)

, PPO PS 가 가 , 가 10% 가

PSU PC 30%

, PC 20 ~ 30% 가

" 가"

1 ~ 40% (,) 1

~ 40% 가

" 가"

가

(Surface Resistivity) 10E

9 . Cm

가

가 120

가 가

120

1

" 가"

[1]

	PPO +PS	PPO	PSU	PC	PEI	PSU+PC	PES	PPS	PPS +PPO	PP	PPS +PPO
(%)	30	0	20	30	25	25	30	40	30	15	30
(%)	10	0	15	5	5	10	5	5	10	30	10
()	170	160	180	145	210	160	200	260	250	143	250
(mm)	315.1	315.2	315.2	315.2	315.2	315.15	315.1	314.9	315.0	314.9	315.0
(m)	315.0	314.9	315.1	315.05	315.0	315.0	315.0	314.8	314.85	314.6	314.85
(mm)	0.1	0.3	0.1	0.15	0.2	0.15	0.1	0.1	0.15	0.4	0.15

* : 315.0 ± 0.3mm ()

* : PC, PP : 120 , PPO+PS, PSU+PC : 150 , PEI, PES, PPS, PPS + PPO : 190

, " 가"

PC 2mm

2) " " (PBT, PA, PE, PP)

, " " 가 , " 가"

PBT, PA, PE, PP

" 가"

" 가"

, PC/PBT , PBT/ABS , PPO/PA , PPO/PS/PE

, PE 가 PPO

, PE PP (,)

" " 2mm PE PP 가 100
 가 70
 2 " " , " 가"

[2]

			()
PBT	0%	0.17~0.23%	150
PC/PBT	PBT 30% 20%	0.04~0.08%	125
PA	0%	0.17~0.20%	240
PPO/PA	PA30%	0.7~0.9%	185
PE	0%	0.20~0.24%	81
PE+	20%	0.15%	95
PP	0%	0.16%	120
PP+ +EPR	10%EPR 30%	0.08%	115

3) " " (ABS, PS, PET, PMMA, POM, PE, PP, PC)

, " " ABS, PS, PET, PMMA, POM, PE, PP, PC가
 " " 2mm , PET, PS, PMMA, POM, PP,
 PE " " 가
 가 3000ppm 1500ppm 가

(ASTM D1003) 10% (POM, P
 95%) POM, PMMA, PS, PET, PC, PP가 가
 MMA, PS, PC가 PC가

, " 가" , " " , " " (Antioxida
 가 가 가 ,
 nt), (Heat Stabilizer), (UV Stabilizer), 가 (Processing Aids) 가
 , 가
 가 (Vacuum Chamber) , 1000ppm 가 가

4)

(1)

3
 (Glass Fake) 0.01% 3μm 10μm (Milled Glass Fiber) 50% 20μm 가 1
 (Chopped Glass F
 iber)

(2) (Mica)

3 가 30 μm가 3 30μm가

(3)

3 () 가 10 19 3 25μm 가
 0.01 30 %
 (Kaolin), (Talc), (Calcium - carbonate), (Asbesto
 s), 가 2 4μm 가

0.01 40 %

5)

가 (Sty
 rene - Butadiene Rubber, SBR), (Ethylene - Propylene Rubber, EPR),
 (Ethylene - Propylene - Diene Monomer, EPDM) 가
 SBR, EPR
 EPDM 10% 가 가
 PC/ABS, ABS PS 가
 3 PS
 가 PS (HIPS)

