

PC系列規格介紹

負責人:李新焜

日期:2014/11/17

PC/FR(C200)

Grade	C200 02	C200 03	C200 03HF	C200 13BK01
Melting Index (300°C /1.2KG)	30	10	30	13
Impact Strength (ft-lb/in)	23°C	13.0	17.0	14.0
	-30°C	3.5	-	-
Flammability	0.8mmV0	1.2mmV0	1.5mmV0	1.5mmV0
Characteristic	Low temperature ductility	High Impact	Easy Processing	03 Economy Grade
Field	Battery mold	Adapter (Idemitsu)	Electric Appliance	Adapter
Competitor	SABIC BPL1000 Mitsubishi FPR3500 FCFC AC3710	Idemitsu AZ2201 SABIC 945 BAYER 6485	BAYER 6165X	Idemitsu AZ2201 SABIC 945



PC/FR(C200)

Grade	C200 21	C200 21Q (On-going)	C200 D04 (On-going)	C200 H01 (On-going)
Melting Index (300°C /1.2KG)	10	30 (expect)	11	40 15(expect)
Impact Strength (ft-lb/in)23°C	16.0	3.0 (expect)	15.0	1.0 (expect)
Flammability	3.0mmV0	3.0mmV0	1.0mmV0	1.5mmV0
Characteristic	Transparent	Transparent/antistatic(<E11ohm/sq)	Diffuse,Transmittance=68%	Thermal Conduction 1K(W/m.K)
Field	Registered Jack	Semiconductor	LED Lamp	Electric Appliance
Competitor	SABIC 945A Idemitsu IRY2200	-	STYRON PC8130	-



PC/10%GF/FR(C222)

Grade	C222 11	C222 B21	C222 22	C222 B32
Melting Index (300°C/1.2KG)	15.0	28.0	35.0	25.0
Impact Strength (ft-lb/in)23°C	1.20	0.95	1.00	1.00
Flammability	1.5mmV0	1.5mmV0	1.5mmV0	1.5mmV0
HDT(264psi)	135	110	98	98
Characteristic	Superior ignition resistance	11 Economy	High Gloss Surface	22 Economy
Field	TV Frame (7%GF)	TV Frame	PC/ABS/10 %GF/FR	PC/ABS/10 %GF/FR
Competitor	CHILIN FG0205B BAYER GF-9002 Samsung NH-3102GH 寶騰 AU2000 STYRON 310HF	CHILIN FG0205B BAYER GF-9002 Samsung NH-3102GH 寶騰 AU2000 STYRON 310HF	-	-



td.

PC/15%GF/FR(C232)

Grade	C232 B01	C232 B02	C232 B03
Melting Index (300°C /1.2KG)	15.0	30.0 (260°C /5KG)	100.0 (260°C /5KG)
Impact Strength (ft-lb/in)23°C	1.00	1.00	1.00
Flammability	1.5mmV0	1.5mmV0	1.5mmV0
Characteristic	15%Glass Fiber	PC/ABS/15%GF/FR	02 High Flow Grade
Field	TV Frame	TV Case	TV Case
Competitor	CHILIN FG0215B	Samyang 210GNH15	沃特 2000-GF15A Samsung LS-119



PC/20%GF/FR(C242)

Grade	C242 LW04	C242 B21
Melting Index (300°C /1.2KG)	35.0 (260°C /5KG)	16.0
Impact Strength (ft-lb/in)23°C	1.00	1.20
Flammability	1.0mmV0	1.5mmV0
HDT(264psi)	105	137
Characteristic	High Flow, low warpage	Economy General grade
Field	NB, Table let	Electric Appliance
Competitor	-	金塑F1210 KOTEC KG20MRA



PC/25%GF/FR(C252)

Grade	C252 LWB01
Melting Index (260°C/5KG)	30.0
Impact Strength (ft-lb/in)23°C	1.80
Flammability	1.0mmV0
Characteristic	High Flow Low warpage
Field	NB, Table let
Competitor	LG GN-2253F



PC/30%GF/FR(C262)

Grade	C262 LW02	C262 LW05
Melting Index (300°C /1.2KG)	45.0 (260°C /5KG)	15.0
Impact Strength (ft-lb/in)23°C	1.70	2.50
Flammability	1.0mmV0	1.0mmV0
HDT(264psi)	102	130
Characteristic	High Flow Low warpage	High Heat
Field	Table let	Table let
Competitor	-	SABIC D351 (EXTC 8143)



PC/ABS/FR(D200)

Grade	D200 11	D200 12
Melting Index (260°C /2.16KG)	40	20
Impact Strength (ft-lb/in)23°C	9.0	12.0
Flammability	1.5mmV0	1.5mmV0
Characteristic	High Flow	High Impact
Field	Electric Appliance	
Competitor	Kumho HAC 8250NH	STYRON 5200HF CHIMEI PC540/PC510 BAYER FR2000/FR2010 FCFC AC3100 金發 JH960-6100



td.

PC/ABS/5%MF/FR(D211)

Grade	D211 02	D211 03
Melting Index (260°C /2.16KG)	25.0	17.0
Impact Strength (ft-lb/in)23°C	1.50	1.80
Flammability	0.8mmV0	1.0mmV0
Characteristic	High Flow	High Impact
Field	MFP Case	NB case
Competitor	Idemitsu SK2706	SABIC CM6140 BAYER FR3020 TEIJIN TN-3713B



PC/ABS/15%MF/FR(D231)

Grade	D231 03
Melting Index (260°C /2.16KG)	11.5
Impact Strength (ft-lb/in)23°C	1.10
Flammability	1.0mmV0
Characteristic	High stiffness
Field	NB case
Competitor	SABIC C7230P BAYER FR3021 TEIJIN TN-3715BX Mitsubishi TMB1615

PC/ABS/HB(D300)

Grade	D300 03	D300 07
Melting Index (260°C /5KG)	12.0	13.0
Impact Strength (ft-lb/in)23°C	9.5	13.0
HDT(264psi)	93	106
Flammability	HB	HB
Characteristic	General Grade	High Impact
Field	Case	Case
Competitor	CHIMEI PC345 FCFC AC2300 BAYER T45 SABIC C1000	CHIMEI PC365 FCFC AC2100 BAYER T65 SABIC C1100, C1110

