Reinforced PC Compounding

Grade	ASTM Method	Unit	SD101G10	SD101G10-F	SD101G10-G	SD101G10-L	SD101G20	SD101G20-F	SD101G20-G	SD101G30	SD101G30-F	SD101G30-G
Material			FR-PC/GF10	FR-PC/GF10	FR-PC/GF10	FR-PC/GF13	FR-PC/GF20	FR-PC/GF20	FR-PC/GF20	FR-PC/GF30	FR-PC/GF30	FR-PC/GF30
			Standard	Impact Improved	High Gloss	High Reflectance	Standard	Impact Improved	High Gloss	Standard	Impact Improved	High Gloss
Specific Gravity	D792		1.26	1.26	1.28	1.27	1.32	1.32	1.35	1.43	1.43	1.45
Mold Shrinkage	D955	%	0.3~0.5	0.3~0.5	0.3~0.5	0.3~0.5	0.2~0.4	0.2~0.4	0.2~0.4	0.2~0.4	0.2~0.4	0.2~0.4
Tensile Strength	D638	kgf/cm^2	720	700	780	700	1000	980	1100	1200	1100	1200
Elongation	D638	%	3.8	5.5	3.5	3.5	4	4.5	3.5	3.5	3.5	3
Flexural Strength	D790	kgf/cm^2	1100	1000	1200	1100	1400	1400	1500	1450	1450	1550
Flexural Modulus	D790	kgf/cm^2	33000	33000	36000	33000	60000	55000	60000	70000	65000	70000
Izod Impact	D256	kgf·cm/cm	10	28	12	12	12	20	12	12	22	13
H.D.T.	D648	℃	142	140	110	140	142	140	112	143	142	115
Flammability	UL94		V0	V0	V0	V0	V0	V0	V0	V0	V0	V0

Drying Temp.		℃	120	120	100	100	120	120	100	120	120	100
Drying Time		HR	4	4	4	4	4	4	4	4	4	4
Melt Temp.		℃	250~310	250~310	250~290	250~290	250~310	250~310	250~290	250~310	250~310	250~290
Mold Temp.		℃	120	120	120	120	120	120	120	120	120	120