

Conductive Compounding

Grade	ASTM Method	Unit	EH201	EL701	EC101	EF401	EI301-MB	ES201-MB	EC 102F1	EC102F2	EF401F1	EX002F1
Material			HIPS/CB	PP/CB	PC/CB	MPPE/CB	PET	ABS	PC/CF8	PC/CF	MPPE/CF	PEI/CF
			Standard	Standard	Standard	Standard	Master Batch	Master Batch	Standard	Standard	Standard	Standard
Specific Gravity	D792		1.18	1.02	1.31	1.13			1.23	1.28	1.13	1.31
Mold Shrinkage	D955	%	0.4~0.6	1.2~1.5	0.4~0.6	0.4~0.6			0.2~0.4	0.1~0.3	0.2~0.4	0.3~0.5
Tensile Strength	D638	kgf/cm ²	190	250	580	750			1000	1400	850	1500
Elongation	D638	%	30	15	60	8			5	3	4	3
Flexural Strength	D790	kgf/cm ²	350	400	920	950			1450	1800	1100	2000
Flexural Modulus	D790	kgf/cm ²	18000	16000	23000	27000			55000	90000	55000	60000
Izod Impact	D256	kg.cm/cm	7	4	12	4			9	8	6	5
H.D.T.	D648	°C	88	100	132	168			140	140	130	200
Flammability	UL94		HB	HB	HB	HB			HB	HB	V1	V0
Volume Resistivity	D256	Ω*cm	10E4~6	10E4~6	10E4~6	10E4~6	10E9~11	10E9~11	10E4~6	10E0~2	10E4~6	10E4~6

Drying Temp.		°C	80	80	120	120			120	120	120	160
Drying Time		HR	4	4	4	4			4	4	4	4
Melt Temp.		°C	200~230	200~230	260~310	270~310			270~310	270~310	270~310	340~370
Mold Temp.		°C	60	60	90	90			120	120	100	180