

## PC Alloy and Modified Compounding

Grade	ASTM Method	Unit	SA122-28	SA122-62	SA122-29	SA122-HT	SA122-65	SA122-85	SA131	SA102-94	SA102-HL
Material			PC/ABS	PC/ABS	PC/ABS	PC/ABS	PC/ABS	PC/ABS	PC/PBT	FR-PC	FR-PC
			High Flow	Standard	Standard	High Heat	Standard	High Heat	Standard	Standard	High Reflectance
Specific Gravity	D792		1.18	1.18	1.18	1.19	1.13	1.15	1.12	1.2	1.25
Mold Shrinkage	D955	%	0.4~0.6	0.4~0.6	0.4~0.6	0.4~0.6	0.4~0.6	0.4~0.6	0.4~0.6	0.5~0.7	0.5~0.7
Tensile Strength	D638	kgf/cm <sup>2</sup>	590	640	640	650	560	580	520	620	630
Elongation	D638	%	90	90	90	90	100	100	100	100	100
Flexural Strength	D790	kgf/cm <sup>2</sup>	850	1020	1050	1050	780	840	770	920	910
Flexural Modulus	D790	kgf/cm <sup>2</sup>	25500	26000	26000	26500	22000	23000	20500	22500	25000
Izod Impact	D256	kgf·cm/cm	42	50	50	55	55	70	90	60	60
H.D.T.	D648	°C	83	90	98	110	110	120	100	132	132
Flammability	UL94		V0	V0	V0	V0	HB	HB	HB	V0	V0

Drying Temp.		°C	80	90	90	100	90	90	90	120	120
Drying Time		HR	4	4	4	4	4	4	4	4	4
Melt Temp.		°C	220~240	220~250	220~260	240~260	240~260	250~270	240~270	250~290	250~300
Mold Temp.		°C	60	60	60	60	60	60	80	90	90