PP and Modified Compounding

Grade	ASTM Method	Unit	SL702	SL702M3T	SL701M4T	SL701M6T	SL704M3T	SL701M4W	SL701M4M	SL701M8M	SL701G20	SL701G30
Material			FR-PP	FR-PP/Talc	PP/Talc20	PP/Talc30	PP/Talc15	PP/Clay20	PP/Mica20	PP/Mica40	PP/GF20	PP/GF30
			Standard	Standard	Standard	High Heat	Impact Improved	Standard	Standard	Standard	Standard	Standard
Specific Gravity	D792		0.98	1.38	1.08	1.17	1.04	1.08	1.05	1.25	1.04	1.14
Mold Shrinkage	D955	%	1.4~1.8	1.0~1.4	0.8~1.2	0.8~1.2	1.0~1.4	0.8~1.2	0.8~1.2	0.6~0.9	0.3~0.5	0.2~0.5
Tensile Strength	D638	kgf/cm^2	340	260	350	380	200	360	360	410	800	950
Elongation	D638	%	100	4	8	7	50	5	5	4	4.5	4.5
Flexural Strength	D790	kgf/cm^2	410	450	550	580	280	580	580	630	1000	1200
Flexural Modulus	D790	kgf/cm^2	17500	33000	33000	40000	15000	40000	40000	62000	36000	54000
Izod Impact	D256	kgf•cm/cm	5	4	4	3.5	42	3	3	2.5	9	10
H.D.T.	D648	℃	105	140	135	140	100	135	135	150	155	160
Flammability	UL94		V0	V0	HB	HB	HB	HB	HB	HB	HB	HB

Drying Temp.		℃	80	100	100	100	100	100	100	100	100	100
Drying Time		HR	2	2	2	2	2	2	2	2	2	2
Melt Temp.		℃	180~220	180~220	180~220	180~220	180~220	180~220	180~220	180~220	180~220	180~220
Mold Temp.		℃	60	60	60	60	60	60	60	60	60	60