Lubricated and Modified Compounding

Grade	ASTM Method	Unit	SC101	SD101G10-W	SD101G20-W	901-W	901-U	901-M	901G4	SN501G30-W	SN-M	SIL-MB
Material			PC/PTFE10	FR-PC/GF10/PTFE	FR-PC/GF20/PTFE	POM/PTFE10	POM/PU	POM/MoS_2	POM/GF20	PA6/GF30/PTFE	PA/MoS_2	PET
			Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Master Batch
Specific Gravity	D792		1.26	1.33	1.41	1.48	1.38	1.46	1.56	1.49	1.24	
Mold Shrinkage	D955	%	0.5~0.7	0.3~0.6	0.2~0.4	1.6~2.0	1.6~1.9	1.6~1.9	1.1~1.3	0.2~0.6	1.2~1.8	
Tensile Strength	D638	kgf/cm^2	620	670	1000	610	580	590	600	1250	620	
Elongation	D638	%	55	10	4	12	15	20	15	4	5	
Flexural Strength	D790	kgf/cm^2	920	1050	1250	900	820	910	1000	1750	110	
Flexural Modulus	D790	kgf/cm^2	23500	35000	55000	25000	24000	29000	50000	80000	29000	
Izod Impact	D256	kgf·cm/cm	20	12	12	4	9	6	4	10	4	
H.D.T.	D648	℃	134	140	142	110	90	110	152	200	80	
Flammability	UL94		HB	V0	V0	HB	HB	HB	HB	HB	HB	
Taber Abrasion	D1044	mg	7	7	12							

Drying Temp.		℃	120	120	120	80	80	80	80	120	120	
Drying Time		HR	4	4	4	4	4	4	4	4	4	
Melt Temp.		℃	250~310	250~310	250~310	190~230	190~230	190~230	200~230	240~270	250~270	
Mold Temp.		℃	80	120	120	60	60	60	60	90	60	

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