

PA66 and Modified Compounding

Grade	ASTM Method	Unit	SN604	SN601G15	SN601G30	SN601G30-F	SN601G40-F	SN601G40AH	SN602-NH	SN602	SN602G30
Material			ST-PA66	PA66/GF15	PA66/GF30	PA66/GF30	PA66/GF40	PA66/GF40	FR-PA66	FR-PA66	FR-PA66/GF30
			Ultra Impact	Standard	Standard	Impact Improved	Impact Improved	L.W.A	N.H.	Standard	Standard
Specific Gravity	D792		1.08	1.24	1.38	1.39	1.43	1.4	1.23	1.31	1.61
Mold Shrinkage	D955	%	1.6~2.2	0.5~0.8	0.5~0.7	0.5~0.7	0.4~0.7	0.3~0.5	1.2~1.8	1.2~1.8	0.2~0.5
Tensile Strength	D638	kgf/cm ²	490	840	1250	1200	1400	1300	650	690	1300
Elongation	D638	%	60	4	4	4	4	3	10	5	4
Flexural Strength	D790	kgf/cm ²	640	1300	1800	2500	27500	2600	820	1200	2000
Flexural Modulus	D790	kgf/cm ²	16500	45000	70000	60000	90000	90000	27000	33000	85000
Izod Impact	D256	kgf·cm/cm	85	5	13	18	17	12	4	4	9
H.D.T.	D648	°C	65	240	250	215	220	250	80	80	250
Flammability	UL94		HB	HB	HB	HB	HB	HB	V0	V0	V0

Drying Temp.		°C	120	120	120	120	120	120	120	120	120
Drying Time		HR	3	4	4	4	4	4	3	3	4
Melt Temp.		°C	260~290	260~290	260~290	260~290	260~290	260~290	260~280	260~280	260~290
Mold Temp.		°C	60	80	80	100	100	100	65	65	65