

PBT,PET Compounding

Grade	ASTM Method	Unit	SB301	SB302	SB302G15	SB302G30	SI301G15	SI301G30	SI301G40	SI302G15	SI302G30
Material			PBT	FR-PBT	FR-PBT/GF15	FR-PBT/GF30	PET/GF15	PET/GF30	PET/GF40	FR-PET/GF15	FR-PET/GF30
			Standard	Impact Improved	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Specific Gravity	D792		1.31	1.34	1.5	1.6	1.43	1.55	1.65	1.52	1.68
Mold Shrinkage	D955	%	1.7~2.3	0.9~1.5	0.3~0.5	0.2~0.4	0.4~0.7	0.1~0.3	0.1~0.3	0.4~0.7	0.1~0.3
Tensile Strength	D638	kgf/cm ²	550	490	950	1300	1000	1300	1450	1000	1300
Elongation	D638	%	100	50	4	4	3	3	3	3	3
Flexural Strength	D790	kgf/cm ²	850	950	1600	1950	1450	2000	2200	1400	1900
Flexural Modulus	D790	kgf/cm ²	23500	21500	60000	95000	62000	96000	100000	61000	100000
Izod Impact	D256	kgf·cm/cm	6	50	6	9.5	6	9	10	6	9
H.D.T.	D648	°C	60	95	200	205	200	220	220	195	220
Flammability	UL94		HB	V0	V0	V0	HB	HB	HB	V0	V0

Drying Temp.		°C	120	120	120	120	150	150	150	150	150
Drying Time		HR	4	4	4	4	4	4	4	4	4
Melt Temp.		°C	240~265	250~280	230~270	230~270	260~290	260~290	270~300	260~290	270~300
Mold Temp.		°C	65	90	65	65	90	120	120	90	120

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