PPE and Alloy Compounding

Grade	ASTM Method	Unit	SF401	SF402-E	SF402-S	SF402-H	SF402-HT	SF402-L	SF401G10	SF401G20	SF401G30
Material			PPE/ALLOY	PPE/ALLOY	PPE/ALLOY	PPE/ALLOY	PPE/ALLOY	PPE/ALLOY	MPPE/GF10	MPPE/GF20	MPPE/GF30
			High Reflectance	High Flow	Standard	High Heat	Ultra High Heat	High Reflectance	Standard	Standard	Standard
Specific Gravity	D792		1.21	1.08	1.1	1.1	1.12	1.15	1.12	1.21	1.27
Mold Shrinkage	D955	%	0.4~0.6	0.5~0.7	0.5~0.7	0.5~0.7	0.5~0.7	0..5~0.7	0.4~0.6	0.2~0.4	0.2~0.3
Tensile Strength	D638	kgf/cm^2	580	450	500	620	680	600	870	1000	1200
Elongation	D638	%	30	50	50	60	50	50	5	4	4
Flexural Strength	D790	kgf/cm^2	720	500	700	850	950	850	1100	1250	1450
Flexural Modulus	D790	kgf/cm^2	23500	22000	23500	24500	**30000**	24000	32000	46000	65000
Izod Impact	D256	kgf•cm/cm	15	18	18	20	12	18	10	10	10
H.D.T.	D648	℃	120	85	100	125	150	125	130	138	138
Flammability	UL94		HB	V0	V0	V0	V0	V0	HB	HB	HB

Drying Temp.		℃	80	80	90	100	100	100	100	100	100
Drying Time		HR	4	4	4	4	4	4	4	4	4
Melt Temp.		℃	250~270	210~240	210~240	250~270	250~270	250~270	250~270	250~270	250~270
Mold Temp.		℃	80	80	80	90	90	90	90	90	90

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