

PROPERTIES		UNITS	TEST METHOD	CONDITION	JSR ARTON	JSR ARTON	JSR ARTON
					F3500	D4000	FBX80 (Black)
PHYS	Specific Gravity	—	ASTM D792	—	1.08	1.07	1.08
	Water Absorption	%	ASTM D570	23°C, 1Week	0.3	0.2	0.3
OPTICAL	Refractive Index	—	ASTM D542	d-line, 25°C	1.513	1.516	—
	Total Light Transmittance	%	ASTM D1003	Thickness 3.2mm	93	93	—
	Haze	%	ASTM D1003	Thickness 3.2mm	0.2	0.2	—
	Abbe Number	—	ASTM D542	25°C	56	57	—
THERMAL	Glass Transition Temp	°C	DSC	Heating Rate 20°C/min	165	151	163
	Molding Shrinkage	%	ASTM D955	MD	0.5~0.7	0.5~0.7	0.5~0.7
	Coefficient of Linear Expansion	($\times 10^{-5}$)1/K	ASTM D696		7	6	7
MECHANICAL	Tensile Strength	MPa	ASTM D638	Strain Rate 50mm/min	72	70	71
	Tensile Elongation	%	ASTM D638	Strain Rate 50mm/min	20	8	7
	Flexural Strength	MPa	ASTM D790	Rate of Crosshead Motion 20mm/min	110	110	120
	Flexural Modulus	MPa	ASTM D790	Rate of Crosshead Motion 20mm/min	2400	2500	2600
CHEMICAL RESISTANCE	Sulfuric Acid(10%)	ASTM D453 Immersion 23°C, 1week ○ Resistance △ Limit to Resistance × No Resistance			○	○	○
	NaOH(10%)				○	○	○
	Methanol				○	○	○
	IPA				○	○	○
	Acetone				△	△	△
	Toluene				×	×	×
	MEK				△	△	△
OTHER	Melt Flow Rate	g/10min	JIS K7210	260°C, 98N	23	60	24