



ASTM Property

Grade	PCELFS 7421
Resin Type	PC

Consumer Product, UV stabilized

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ASTM D792	Natural or representative color	-	1.2
Melt Flow Index	ASTM D1238	300°C, 1.2kg	g/10min	11
Mold Shrinkage(MD)	ASTM D955	Flow at 3.2mm(MD)	%	0.5~0.7
Mechanical				
Tensile Strength at Yield	ASTM D638	50mm/min	kgf/cm ²	645
Tensile Strain at break	ASTM D638	50mm/min	%	110
Tensile Modulus	ASTM D638	50mm/min	kgf/cm ²	23000
Tensile Strength at break	ASTM D638	50mm/min	kgf/cm ²	640
Flexural Strength	ASTM D790	2.8mm/min	kgf/cm ²	920
Flexural Modulus	ASTM D790	2.8mm/min	kgf/cm ²	23000
Izod Impact Strength(notched)	ASTM D256	1/8 inch at 23°C	kgf.cm/cm	65
OPTICAL				
Light Transmission	ASTM D1003	2.5mm	%	44.4
Haze	ASTM D1003	2.5mm	%	98.5
Thermal				
Heat Deflection Temperature	ASTM D648	18.56kgf/cm ² , 6.4mm	°C	125
Heat Deflection Temperature	ASTM D648	4.6kgf/cm ² , 6.4mm	°C	136
VICAT Softening Temperature	ISO 306	B/50	°C	145
Flammability				
Flammability	UL94	V-2	mm	0.75, 1.5, 2.0, 2.5, 3.0, 3.2

NOTE

¹ Physical Properties : these are not to be construed as specifications