



## ASTM Property

Grade	PCILF 25520
Resin Type	PC

Consumer Product, UV stabilized

Item	Measuring Method	Condition	Unit	Value
<b>Physical</b>				
Specific Gravity	ASTM D792	Natural or representative color	-	1.2
Melt Flow Index	ASTM D1238	300°C, 1.2kg	g/10min	12
Mold Shrinkage(MD)	ASTM D955	Flow at 3.2mm(MD)	%	0.5~0.7
Mold Shrinkage(TD)	ASTM D955	X-Flow at 3.2mm(TD)	%	0.5~0.7
<b>Mechanical</b>				
Tensile Strength at Yield	ASTM D638	50mm/min	kgf/cm <sup>2</sup>	640
Tensile Strain at break	ASTM D638	50mm/min	%	110
Tensile Modulus	ASTM D638	50mm/min	kgf/cm <sup>2</sup>	23000
Tensile Strength at break	ASTM D638	50mm/min	kgf/cm <sup>2</sup>	640
Flexural Strength	ASTM D790	2.8mm/min	kgf/cm <sup>2</sup>	920
Flexural Modulus	ASTM D790	2.8mm/min	kgf/cm <sup>2</sup>	23000
Izod Impact Strength(notched)	ASTM D256	1/8 inch at 23°C	kgf.cm/cm	84
Transmission	ASTM D1494 - 17	2mm	%	52
<b>Thermal</b>				
Heat Deflection Temperature	ASTM D648	18.56kgf/cm <sup>2</sup> , 6.4mm	°C	127
Heat Deflection Temperature	ASTM D648	4.6kgf/cm <sup>2</sup> , 6.4mm	°C	137
VICAT Softening Temperature	ISO 306	B/50	°C	146
<b>Flammability</b>				
Flammability	UL94	V-2	mm	1.6~3.2

### NOTE

<sup>1</sup> Physical Properties : these are not to be construed as specifications