



ASTM Property

Grade	PC-DQ 18522
Resin Type	PC

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ASTM D792	white color	-	1.2
Melt Flow Index	ASTM D1238	300°C, 1.2kg	g/10min	22
Mold Shrinkage(MD)	ASTM D955	Flow at 3.2mm(MD)	%	0.4-0.7
Mold Shrinkage(TD)	ASTM D955	X-Flow at 3.2mm(TD)	%	0.4-0.7
Mechanical				
Tensile Strength at Yield	ASTM D638	50mm/min	kgf/cm ²	608
Tensile Strain at break	ASTM D638	50mm/min	%	100
Tensile Modulus	ASTM D638	50mm/min	kgf/cm ²	23000
Tensile Strength at break	ASTM D638	50mm/min	kgf/cm ²	608
Flexural Strength	ASTM D790	2.8mm/min	kgf/cm ²	1000
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
Rockwell Hardness	ASTM D785	R-Scale	-	120
Thermal				
Heat Deflection Temperature	ASTM D648	18.56kgf/cm ² , 6.4mm	°C	127
VICAT Softening Temperature	ISO 306	B/50	°C	142
Flammability				
Flammability	UL94	V-1	mm	3.0

NOTE

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