

PC								
Manufacturer : Lotte Advanced Materials				Brand Name : Infino PC				
Property	Test Method	Condition	Unit	SC-1100UR	SC-1220R	SC-1220UR	SC-1060P	LT-1100
Specific Gravity	ASTM D792	Natural or representative color	-	1.2	1.2	1.2	1.2	1.19
Melt Flow Index	ASTM D1238	300°C, 1.2kg	g/10min	11.5	22	22	6	11
Mold Shrinkage(MD)	ASTM D955	Flow at 3.2mm(MD)	%	0.5-0.7	0.5-0.7	0.5-0.7	0.5-0.7	0.5-0.8
Mold Shrinkage(TD)	ASTM D955	X-Flow at 3.2mm(TD)	%	0.5-0.7	0.5-0.7	0.5-0.7	0.5-0.7	0.6-0.9
Tensile Strength at Yield	ASTM D638	5mm/min	kgf/cm ²	640	640	640	640	640
Tensile Strain at Break	ASTM D638	50mm/min	%	110	110	110	110	110
Flexural Strength	ASTM D790	2.8mm/min	kgf/cm ²	920	920	920	920	920
Flexural Modulus	ASTM D790	2.8mm/min	kgf/cm ²	23000	23000	23000	21000	23000
Izod Impact Strength (notched)	ASTM D256	1/4 inch at 23°C	kgf/cm.cm	15	10	10	15	15
Rockwell Hardness	ASTM D785	R-scale		120	120	120	120	122
Heat Deflection Temperature	ASTM D648	18.56kgf/cm ² , 6.4mm	°C	127	125	125	132	135
	ASTM D648	4.6kgf/cm ² , 6.4mm	°C	137	136	136	142	
VICAT Softening Temperature	ISO R 306	B/50	°C	146	145	145	147	144
Flammability	UL 94		Recognized	0.75, 3.0 V-2	0.75,3.2 V-2	0.75, 3.2 V-2	2.6-3.2 HB	0.8, 3.0 V-2