



Infino SC-1220R			
PC			
Samsung Cheil Industries			
Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index	22	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955
Density, 73°F	1200	kg/m³	ASTM D 792
Rheological properties			
ISO Data			
Melt flow index, MFI	22	g/10min	ISO 1133
MFI temperature	300	°C	ISO 1133
MFI load	1.2	kg	ISO 1133
Mechanical properties			
ISO Data			
Tensile Modulus	2100	MPa	ISO 527-1/-2
Yield stress	62	MPa	ISO 527-1/-2
Yield strain	102	%	ISO 527-1/-2
Stress at break	65	MPa	ISO 527-1/-2
Charpy notched impact strength (+23°C)	71	kJ/m²	ISO 179/1eA
Flexural modulus (23°C)	2300	MPa	ISO 178
Izod Impact notched, 23°C	60	kJ/m²	ISO 180/1A
ASTM Data			
Tensile Strength at Yield	63	MPa	ASTM D 638
Elongation at Yield	90	%	ASTM D 638
Flexural Modulus	2300	MPa	ASTM D 790
Flexural Strength	92	MPa	ASTM D 790
Rockwell Hardness	R 120	-	ASTM D 785
Izod Impact notched, 1/8 in	0.59	kJ/m	ASTM D 256
Thermal properties			
ISO Data			
Vicat softening temperature, 50°C/h 50N	144	°C	ISO 306
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	0.8	mm	-
DTUL @ 264 psi	125	°C	ASTM D 648
Electrical properties			
ASTM Data			
Dielectric Constant, 1 MHz	2.9	-	ASTM D 150
Other properties			
ISO Data			
Density	1200	kg/m³	ISO 1183
Optical properties			
ASTM Data			
Haze	0.8	%	ASTM D 1003
Light Transmittance	89	%	ASTM D 1003

Infino SC-1220R	Samsung Cheil Industries
PC	
Characteristics	
Delivery form	Features
Pellets, Natural Color	Low Odor