



Infino SC-1220UR			
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	1190	kg/m³	ASTM D 792
Rheological properties	Value	Unit	Test Standard
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	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2100	MPa	ISO 527-1/-2
Yield stress	64	MPa	ISO 527-1/-2
Yield strain	81	%	ISO 527-1/-2
Stress at break	60	MPa	ISO 527-1/-2
Charpy notched impact strength (+23°C)	77	kJ/m²	ISO 179/1eA
Flexural modulus (23°C)	2100	MPa	ISO 178
Izod Impact notched, 23°C	59	kJ/m²	ISO 180/1A
Rockwell hardness	R 123	-	ISO 2039-2
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	90	MPa	ASTM D 790
Rockwell Hardness	R 120	-	ASTM D 785
Izod Impact notched, 1/8 in	0.74	kJ/m	ASTM D 256
Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	122	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	135	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	142	°C	ISO 306
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	0.8	mm	-
DTUL @ 264 psi	124	°C	ASTM D 648
Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Constant, 1 MHz	2.9	-	ASTM D 150
Other properties	Value	Unit	Test Standard
ISO Data			
Density	1190	kg/m³	ISO 1183
Optical properties	Value	Unit	Test Standard
ASTM Data			

