



Infino SC-1100R			
PC			
Samsung Cheil Industries			
Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index	9	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	10	kg	-
Density, 73°F	1220	kg/m³	ASTM D 792
Rheological properties			
ISO Data			
Melt flow index, MFI	9	g/10min	ISO 1133
MFI temperature	250	°C	ISO 1133
MFI load	10	kg	ISO 1133
Mechanical properties			
ISO Data			
Yield stress	60	MPa	ISO 527-1/2
Charpy notched impact strength (+23°C)	25	kJ/m²	ISO 179/1eA
Flexural modulus (23°C)	2200	MPa	ISO 178
Izod Impact notched, 23°C	25	kJ/m²	ISO 180/1A
Rockwell hardness	R 120	-	ISO 2039-2
ASTM Data			
Tensile Strength at Yield	64	MPa	ASTM D 638
Flexural Modulus	2200	MPa	ASTM D 790
Flexural Strength	97	MPa	ASTM D 790
Rockwell Hardness	R 122	-	ASTM D 785
Izod Impact notched, 1/4 in	0.79	kJ/m	ASTM D 256
Thermal properties			
ISO Data			
Vicat softening temperature, 50°C/h 50N	140	°C	ISO 306
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	0.8	mm	-
Other properties			
ISO Data			
Density	1220	kg/m³	ISO 1183
Characteristics			
Delivery form		Features	
Pellets, Natural Color		Low Odor	