



Infino WP-1089 (PC+ABS)				Samsung Cheil Industries
Processing/Physical Characteristics		Value	Unit	Test Standard
ASTM Data				
Melt Flow Index	44	g/10min	ASTM D 1238	
Temperature	250	°C	-	
Load	10	kg	-	
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955	
Density, 73°F	1130	kg/m³	ASTM D 792	
Rheological properties		Value	Unit	Test Standard
ISO Data				
Melt flow index, MFI	44	g/10min	ISO 1133	
MFI temperature	250	°C	ISO 1133	
MFI load	10	kg	ISO 1133	
Mechanical properties		Value	Unit	Test Standard
ISO Data				
Tensile Modulus	2100	MPa	ISO 527-1/-2	
Yield stress	53	MPa	ISO 527-1/-2	
Yield strain	41	%	ISO 527-1/-2	
Stress at break	44	MPa	ISO 527-1/-2	
Charpy notched impact strength (+23°C)	49.8	kJ/m²	ISO 179/1eA	
Flexural modulus (23°C)	2100	MPa	ISO 178	
Izod Impact notched, 23°C	46.2	kJ/m²	ISO 180/1A	
Rockwell hardness	R 114	-	ISO 2039-2	
ASTM Data				
Tensile Strength at Yield	53	MPa	ASTM D 638	
Flexural Modulus	2100	MPa	ASTM D 790	
Flexural Strength	76	MPa	ASTM D 790	
Izod Impact notched, 1/8 in	0.58	kJ/m	ASTM D 256	
Thermal properties		Value	Unit	Test Standard
ISO Data				
Temp. of deflection under load (1.80 MPa)	104	°C	ISO 75-1/-2	
Temp. of deflection under load (0.45 MPa)	124	°C	ISO 75-1/-2	
Vicat softening temperature, 50°C/h 50N	126	°C	ISO 306	
ASTM Data				
DTUL @ 264 psi	112	°C	ASTM D 648	
Other properties		Value	Unit	Test Standard
ISO Data				
Density	1130	kg/m³	ISO 1183	
Characteristics				
Delivery form		Features		
Pellets, Natural Color		Low Odor		