



<b>Infino WP-1069</b>			
<b>(PC+ABS)</b>		Samsung Cheil Industries	
<b>Processing/Physical Characteristics</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Melt Flow Index	47	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.005	mm/mm	ASTM D 955
Density, 73°F	1130	kg/m <sup>3</sup>	ASTM D 792
<b>Rheological properties</b>			
<b>ISO Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Melt flow index, MFI	47	g/10min	ISO 1133
MFI temperature	250	°C	ISO 1133
MFI load	10	kg	ISO 1133
<b>Mechanical properties</b>			
<b>ISO Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Tensile Modulus	2200	MPa	ISO 527-1/-2
Yield stress	53	MPa	ISO 527-1/-2
Yield strain	50	%	ISO 527-1/-2
Stress at break	44	MPa	ISO 527-1/-2
Charpy notched impact strength (+23°C)	45.2	kJ/m <sup>2</sup>	ISO 179/1eA
Flexural modulus (23°C)	2120	MPa	ISO 178
Izod Impact notched, 23°C	40.7	kJ/m <sup>2</sup>	ISO 180/1A
Rockwell hardness	R 113	-	ISO 2039-2
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Tensile Strength at Yield	57	MPa	ASTM D 638
Elongation at Yield	80	%	ASTM D 638
Flexural Modulus	2200	MPa	ASTM D 790
Flexural Strength	78	MPa	ASTM D 790
Izod Impact notched, 1/8 in	0.57	kJ/m	ASTM D 256
<b>Thermal properties</b>			
<b>ISO Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Temp. of deflection under load (1.80 MPa)	101	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	122	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	122	°C	ISO 306
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
DTUL @ 264 psi	111	°C	ASTM D 648
<b>Other properties</b>			
<b>ISO Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	1130	kg/m <sup>3</sup>	ISO 1183
<b>Characteristics</b>			
<b>Delivery form</b>	<b>Features</b>		
Pellets, Natural Color	Low Odor		