



Infino WP-1041G (PC+ABS)				Samsung Cheil Industries
Processing/Physical Characteristics	Value	Unit	Test Standard	
ASTM Data				
Melt Flow Index	31	g/10min	ASTM D 1238	
Temperature	250	°C	-	
Load	10	kg	-	
Mold Shrinkage, MD	0.0055	mm/mm	ASTM D 955	
Mold Shrinkage, TD	0.0055	mm/mm	ASTM D 955	
Density, 73°F	1050	kg/m³	ASTM D 792	
Rheological properties	Value	Unit	Test Standard	
ISO Data				
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577	
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577	
Melt flow index, MFI	3	g/10min	ISO 1133	
MFI temperature	250	°C	ISO 1133	
MFI load	2.16	kg	ISO 1133	
Mechanical properties	Value	Unit	Test Standard	
ISO Data				
Tensile Modulus	1900	MPa	ISO 527-1/-2	
Yield stress	47	MPa	ISO 527-1/-2	
Yield strain	73	%	ISO 527-1/-2	
Stress at break	41	MPa	ISO 527-1/-2	
Charpy notched impact strength (+23°C)	47	kJ/m²	ISO 179/1eA	
Flexural modulus (23°C)	2000	MPa	ISO 178	
Izod Impact notched, 23°C	45	kJ/m²	ISO 180/1A	
Izod Impact unnotched, 23°C	35	kJ/m²	ISO 180/1U	
Rockwell hardness	R 107	-	ISO 2039-2	
ASTM Data				
Tensile Modulus	1900	MPa	ASTM D 638	
Tensile Strength at Yield	49	MPa	ASTM D 638	
Tensile Strength at Break	39	MPa	ASTM D 638	
Elongation at Yield	100	%	ASTM D 638	
Flexural Modulus	1900	MPa	ASTM D 790	
Flexural Strength	66	MPa	ASTM D 790	
Rockwell Hardness	R 105	-	ASTM D 785	
Izod Impact notched, 1/8 in	0.54	kJ/m	ASTM D 256	
Izod Impact notched, 1/4 in	0.41	kJ/m	ASTM D 256	
Thermal properties	Value	Unit	Test Standard	
ISO Data				
Temp. of deflection under load (1.80 MPa)	96	°C	ISO 75-1/-2	
Temp. of deflection under load (0.45 MPa)	113	°C	ISO 75-1/-2	
Vicat softening temperature, 50°C/h 50N	113	°C	ISO 306	
Coeff. of linear therm. expansion, parallel	85	E-6/K	ISO 11359-1/-2	
ASTM Data				
DTUL @ 66 psi	120	°C	ASTM D 648	
DTUL @ 264 psi	100	°C	ASTM D 648	
Other properties	Value	Unit	Test Standard	
ISO Data				
Density	1050	kg/m³	ISO 1183	

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Characteristics
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**Delivery form**

Pellets, Natural Color

## Features

Low Odor