



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			
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			
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			
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			
ISO Data			
Density	1050	kg/m³	ISO 1183

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Characteristics	
Delivery form Pellets, Natural Color	Features Low Odor