



Infino NH-1015V (PC+ABS)				Samsung Cheil Industries
Processing/Physical Characteristics	Value	Unit	Test Standard	
ASTM Data				
Melt Flow Index	30	g/10min	ASTM D 1238	
Temperature	220	°C	-	
Load	10	kg	-	
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955	
Density, 73°F	1170	kg/m³	ASTM D 792	
Rheological properties	Value	Unit	Test Standard	
ISO Data				
Melt flow index, MFI	30	g/10min	ISO 1133	
MFI temperature	220	°C	ISO 1133	
MFI load	10	kg	ISO 1133	
Mechanical properties	Value	Unit	Test Standard	
ISO Data				
Tensile Modulus	2500	MPa	ISO 527-1/-2	
Yield stress	61	MPa	ISO 527-1/-2	
Yield strain	45	%	ISO 527-1/-2	
Stress at break	48	MPa	ISO 527-1/-2	
Charpy notched impact strength (+23°C)	19	kJ/m²	ISO 179/1eA	
Flexural modulus (23°C)	2500	MPa	ISO 178	
Izod Impact notched, 23°C	30	kJ/m²	ISO 180/1A	
Rockwell hardness	R 118	-	ISO 2039-2	
ASTM Data				
Tensile Strength at Yield	59	MPa	ASTM D 638	
Flexural Modulus	2400	MPa	ASTM D 790	
Flexural Strength	85	MPa	ASTM D 790	
Izod Impact notched, 1/8 in	0.54	kJ/m	ASTM D 256	
Thermal properties	Value	Unit	Test Standard	
ISO Data				
Temp. of deflection under load (1.80 MPa)	82	°C	ISO 75-1/-2	
Temp. of deflection under load (0.45 MPa)	94	°C	ISO 75-1/-2	
Vicat softening temperature, 50°C/h 50N	100	°C	ISO 306	
Burning behav. 5V at thickness h	5VB	class	IEC 60695-11-20	
Thickness tested	2.0	mm	IEC 60695-11-20	
ASTM Data				
UL 94 Flame rating	V-0	-	UL 94	
Thickness tested	1.5	mm	-	
DTUL @ 264 psi	86	°C	ASTM D 648	
Other properties	Value	Unit	Test Standard	
ISO Data				
Density	1170	kg/m³	ISO 1183	
Characteristics				
Delivery form		Features		
Pellets, Natural Color		Low Odor		