

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			
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			
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			
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			
ISO Data			
Density	1170	kg/m³	ISO 1183
Characteristics			
Delivery form		Features	
Pellets, Natural Color		Low Odor	