


**Infino WP-1089
(PC+ABS)**

Samsung Cheil Industries

Processing/Physical Characteristics		Value	Unit	Test Standard
ASTM Data				
Melt Flow Index	44	g/10min		ASTM D 1238
Temperature	250	°C		-
Load	10	kg		-
Mold Shrinkage, MD	0.005	mm/mm		ASTM D 955
Density, 73°F	1130	kg/m³		ASTM D 792
Rheological properties		Value	Unit	Test Standard
ISO Data				
Melt flow index, MFI	44	g/10min		ISO 1133
MFI temperature	250	°C		ISO 1133
MFI load	10	kg		ISO 1133
Mechanical properties		Value	Unit	Test Standard
ISO Data				
Tensile Modulus	2100	MPa		ISO 527-1/-2
Yield stress	53	MPa		ISO 527-1/-2
Yield strain	41	%		ISO 527-1/-2
Stress at break	44	MPa		ISO 527-1/-2
Charpy notched impact strength (+23°C)	49.8	kJ/m²		ISO 179/1eA
Flexural modulus (23°C)	2100	MPa		ISO 178
Izod Impact notched, 23°C	46.2	kJ/m²		ISO 180/1A
Rockwell hardness	R 114	-		ISO 2039-2
ASTM Data				
Tensile Strength at Yield	53	MPa		ASTM D 638
Flexural Modulus	2100	MPa		ASTM D 790
Flexural Strength	76	MPa		ASTM D 790
Izod Impact notched, 1/8 in	0.58	kJ/m		ASTM D 256
Thermal properties		Value	Unit	Test Standard
ISO Data				
Temp. of deflection under load (1.80 MPa)	104	°C		ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	124	°C		ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	126	°C		ISO 306
ASTM Data				
DTUL @ 264 psi	112	°C		ASTM D 648
Other properties		Value	Unit	Test Standard
ISO Data				
Density	1130	kg/m³		ISO 1183
Characteristics				
Delivery form		Features		
Pellets, Natural Color		Low Odor		