


Infino WP-1069
 (PC+ABS)

Samsung Cheil Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index	47	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.005	mm/mm	ASTM D 955
Density, 73°F	1130	kg/m ³	ASTM D 792
Rheological properties			
ISO Data			
Melt flow index, MFI	47	g/10min	ISO 1133
MFI temperature	250	°C	ISO 1133
MFI load	10	kg	ISO 1133
Mechanical properties			
ISO Data			
Tensile Modulus	2200	MPa	ISO 527-1/-2
Yield stress	53	MPa	ISO 527-1/-2
Yield strain	50	%	ISO 527-1/-2
Stress at break	44	MPa	ISO 527-1/-2
Charpy notched impact strength (+23°C)	45.2	kJ/m ²	ISO 179/1eA
Flexural modulus (23°C)	2120	MPa	ISO 178
Izod Impact notched, 23°C	40.7	kJ/m ²	ISO 180/1A
Rockwell hardness	R 113	-	ISO 2039-2
ASTM Data			
Tensile Strength at Yield	57	MPa	ASTM D 638
Elongation at Yield	80	%	ASTM D 638
Flexural Modulus	2200	MPa	ASTM D 790
Flexural Strength	78	MPa	ASTM D 790
Izod Impact notched, 1/8 in	0.57	kJ/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load (1.80 MPa)	101	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	122	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	122	°C	ISO 306
ASTM Data			
DTUL @ 264 psi	111	°C	ASTM D 648
Other properties			
ISO Data			
Density	1130	kg/m ³	ISO 1183
Characteristics			
Delivery form		Features	
Pellets, Natural Color		Low Odor	