

Infino WP-1041G			
(PC+ABS)		Lotte Chemical Corporation	
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	1090	kg/m ³	ASTM D 792
Rheological properties			
Value	Unit	Test Standard	
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	-
MFI load	2.16	kg	-
Mechanical properties			
Value	Unit	Test Standard	
ISO Data			
Tensile Modulus	1900	MPa	ISO 527
Yield stress	47	MPa	ISO 527
Stress at break	41	MPa	ISO 527
Strain at break	73	%	ISO 527
Charpy notched impact strength, +23°C	47	kJ/m ²	ISO 179/1eA
Flexural modulus, 23°C	2000	MPa	ISO 178
Flexural strength	70	MPa	ISO 178
Izod Impact notched, 23°C	45	kJ/m ²	ISO 180/1A
Izod Impact notched	35	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-
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 Break	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	540	J/m	ASTM D 256
Izod Impact notched, 1/4 in	410	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	390	J/m	ASTM D 256
Temperature	-30	°C	-
Thermal properties			
Value	Unit	Test Standard	
ISO Data			
Temp. of deflection under load, 1.80 MPa	101 ^[ann.]	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	116 ^[ann.]	°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			
Coefficient of Thermal Expansion, MD	85	E-6/K	ASTM D 696

Infino WP-1041G (PC+ABS)		Lotte Chemical Corporation	
DTUL @ 66 psi	120	°C	ASTM D 648
DTUL @ 264 psi	100	°C	ASTM D 648
ann.: Assessed (Min)			
Other properties	Value	Unit	Test Standard
ISO Data			
Density	1090	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	90 - 100	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	240 - 270	°C	-
Mold temperature	60 - 90	°C	-
Zone 1	210 - 230	°C	-
Zone 2	230 - 240	°C	-
Zone 3	240 - 265	°C	-
Nozzle temperature	240 - 270	°C	-
Screw speed	50 - 150	rpm	-
Injection pressure	78 - 78	MPa	-
Back pressure	0.5 - 2	MPa	-
Characteristics			
Processing		Applications	
Injection Molding		Automotive	
Delivery form			
Pellets, Natural Color			