

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	41	g/10min	ISO 1133
Temperature	250	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Melt Flow Index, MFI	41	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.0035	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0045	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	3200	MPa	ISO 527
Yield stress	83	MPa	ISO 527
Stress at break	90	MPa	ISO 527
Strain at break	4.4	%	ISO 527
Flexural modulus, 23°C	4300	MPa	ISO 178
Flexural strength	135	MPa	ISO 178
Charpy impact strength, +23°C	58	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	55	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	11.5	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	10	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	9.5	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength	6.3	kJ/m <sup>2</sup>	ISO 180/1A
Temperature	-30	°C	-
Rockwell hardness	R 111	-	ISO 2039-2
<b>ASTM Data</b>			
Tensile Modulus	3100	MPa	ASTM D 638
Tensile Strength at Yield	90	MPa	ASTM D 638
Tensile Strength at Break	90	MPa	ASTM D 638
Elongation at Break	4.4	%	ASTM D 638
Flexural Modulus	4200	MPa	ASTM D 790
Flexural Strength	120	MPa	ASTM D 790
Izod Impact notched, 1/8 in	69	J/m	ASTM D 256
Izod Impact notched, 1/4 in	79	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	59	J/m	ASTM D 256
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	119	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	129	°C	ISO 75-1/-2
Vicat softening temperature, B	131	°C	ISO 306
Coeff. of linear therm. expansion, parallel	3.9	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	6.5	E-6/K	ISO 11359-1/-2
<b>ASTM Data</b>			
Coefficient of Thermal Expansion, MD	3.9	E-6/K	ASTM D 696
Coefficient of Thermal Expansion, TD	6.5	E-6/K	ASTM D 696
DTUL @ 66 psi	138	°C	ASTM D 648
DTUL @ 264 psi	128	°C	ASTM D 648

Optical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Gloss, 60°	25	-	ISO 2813

**INFINO WP-1100**

(PC+ABS)-GF

Lotte Chemical Corporation

**ASTM Data**

Gloss	25	-	ASTM D 2457
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Other properties	Value	Unit	Test Standard
Density	1210	kg/m <sup>3</sup>	ISO 1183
Density	1210	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	90 - 110	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	250 - 290	°C	-
Mold temperature	60 - 90	°C	-
Zone 1	220 - 240	°C	-
Zone 2	240 - 250	°C	-
Zone 3	250 - 270	°C	-
Nozzle temperature	250 - 290	°C	-
Screw speed	5 - 200	rpm	-
Injection pressure	98	MPa	-
Back pressure	0.5 - 2.9	MPa	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets, Natural Color

**Applications**

Automotive

**Regional Availability**

North America, Europe, Asia Pacific