

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	22	g/10min	ISO 1133
Temperature	250	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Melt Flow Index, MFI	22	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.0045	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0045	mm/mm	ASTM D 955

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	2500	MPa	ISO 527
Yield stress	80	MPa	ISO 527
Stress at break	80	MPa	ISO 527
Strain at break	3	%	ISO 527
Flexural modulus, 23°C	3500	MPa	ISO 178
Flexural strength	120	MPa	ISO 178
Charpy notched impact strength, +23°C	9	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	9	kJ/m <sup>2</sup>	ISO 180/1A
Rockwell hardness	R 90	-	ISO 2039-2
<b>ASTM Data</b>			
Tensile Modulus	2500	MPa	ASTM D 638
Tensile Strength at Yield	78	MPa	ASTM D 638
Tensile Strength at Break	78	MPa	ASTM D 638
Elongation at Break	3	%	ASTM D 638
Flexural Modulus	3400	MPa	ASTM D 790
Flexural Strength	120	MPa	ASTM D 790
Rockwell Hardness	R 90	-	ASTM D 785

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	138	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 264 psi	138	°C	ASTM D 648

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	1260	kg/m <sup>3</sup>	ISO 1183
Density	1260	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.04	%	-
Melt temperature	280	°C	-
Mold temperature	60 - 100	°C	-
Zone 1	280 - 300	°C	-
Zone 2	280 - 300	°C	-
Zone 3	280 - 300	°C	-
Nozzle temperature	280	°C	-

**INFINO HN-3102GH**

PC-GF

Lotte Chemical Corporation

Screw speed	<b>50 - 80</b>	rpm	-
Injection pressure	<b>69 - 150</b>	MPa	-
Back pressure	<b>1 - 2.9</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets, Natural Color

**Applications**

IT / Business Machine

**Regional Availability**

North America, Europe, Asia Pacific