

INFINO HN-3102G

PC-GF

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	31	g/10min	ISO 1133
Temperature	250	°C	-
Load	10	kg	-
ASTM Data			
Melt Flow Index, MFI	33	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.0035	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3300	MPa	ISO 527
Yield stress	75	MPa	ISO 527
Stress at break	69	MPa	ISO 527
Strain at break	5.6	%	ISO 527
Flexural modulus, 23°C	3700	MPa	ISO 178
Flexural strength	120	MPa	ISO 178
Charpy notched impact strength, +23°C	5.9	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	5.6	kJ/m ²	ISO 180/1A
Rockwell hardness	R 90	-	ISO 2039-2
ASTM Data			
Tensile Modulus	3200	MPa	ASTM D 638
Tensile Strength at Yield	84	MPa	ASTM D 638
Tensile Strength at Break	64	MPa	ASTM D 638
Elongation at Break	5.2	%	ASTM D 638
Flexural Modulus	4000	MPa	ASTM D 790
Flexural Strength	150	MPa	ASTM D 790
Rockwell Hardness	R 90	-	ASTM D 785
Izod Impact notched, 1/4 in	49	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	132	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	140	°C	ISO 75-1/-2
Vicat softening temperature, B	143	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 66 psi	142	°C	ASTM D 648
DTUL @ 264 psi	137	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1270	kg/m ³	ISO 1183
Density	1260	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.05	%	-
Melt temperature	270	°C	-
Mold temperature	50 - 60	°C	-
Zone 1	260	°C	-
Zone 2	260	°C	-
Zone 3	270	°C	-

INFINO HN-3102G

PC-GF

Lotte Chemical Corporation

Nozzle temperature	270	°C	-
Screw speed	50 - 150	rpm	-
Injection pressure	93	MPa	-
Back pressure	0.5 - 2	MPa	-

Characteristics**Processing**

Injection Molding

Applications

IT / Business Machine

Delivery form

Pellets, Natural Color

Regional Availability

North America, Europe, Asia Pacific