

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	12	g/10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Molding shrinkage, normal	0.2	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	12	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mold Shrinkage, MD	0.0025	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0025	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	5000	MPa	ISO 527
Yield stress	120	MPa	ISO 527
Stress at break	120	MPa	ISO 527
Strain at break	3	%	ISO 527
Flexural modulus, 23°C	6000	MPa	ISO 178
Flexural strength	150	MPa	ISO 178
Charpy notched impact strength, +23°C	10	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	10	kJ/m ²	ISO 180/1A
Rockwell hardness	R 120	-	ISO 2039-2
ASTM Data			
Tensile Modulus	4900	MPa	ASTM D 638
Tensile Strength at Yield	120	MPa	ASTM D 638
Tensile Strength at Break	120	MPa	ASTM D 638
Elongation at Break	3	%	ASTM D 638
Flexural Modulus	5900	MPa	ASTM D 790
Flexural Strength	150	MPa	ASTM D 790
Rockwell Hardness	R 120	-	ASTM D 785
Izod Impact notched, 1/8 in	98	J/m	ASTM D 256
Izod Impact notched, 1/4 in	98	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	97	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	102	°C	ISO 75-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.75	mm	-
DTUL @ 66 psi	105	°C	ASTM D 648
DTUL @ 264 psi	100	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1340	kg/m ³	ISO 1183
Density	1340	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.04	%	-
Melt temperature	270	°C	-
Mold temperature	60 - 70	°C	-

INFINO NH-3200

PC-GF

Lotte Chemical Corporation

Zone 1	260 - 270	°C	-
Zone 2	270 - 290	°C	-
Zone 3	260 - 280	°C	-
Nozzle temperature	270	°C	-
Screw speed	30 - 100	rpm	-
Injection pressure	98	MPa	-
Back pressure	1 - 2	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Natural Color

Applications

IT / Business Machine, Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific