

INFINO HI-1001BG

(PC+ABS)

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	60	g/10min	ISO 1133
Temperature	250	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	60	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Tensile Modulus	2000	MPa	ISO 527
Yield stress	47	MPa	ISO 527
Stress at break	39	MPa	ISO 527
Strain at break	39	%	ISO 527
Flexural modulus, 23°C	2300	MPa	ISO 178
Flexural strength	72	MPa	ISO 178
Charpy notched impact strength, +23°C	37	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	37	kJ/m ²	ISO 180/1A
Rockwell hardness	R 107	-	ISO 2039-2
ASTM Data			
Tensile Strength at Yield	56	MPa	ASTM D 638
Flexural Modulus	1800	MPa	ASTM D 790
Flexural Strength	62	MPa	ASTM D 790
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	87	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	107	°C	ISO 75-1/-2
Vicat softening temperature, B	105	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.5	mm	-
Other properties			
Density	1070	kg/m ³	ISO 1183
Density	1070	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	90 - 100	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	240 - 280	°C	-
Mold temperature	60 - 80	°C	-
Zone 1	200 - 220	°C	-
Zone 2	220 - 235	°C	-
Zone 3	235 - 265	°C	-
Nozzle temperature	235 - 275	°C	-
Screw speed	50 - 150	rpm	-
Injection pressure	49 - 150	MPa	-
Back pressure	0.5 - 2	MPa	-

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Characteristics**Processing**

Injection Molding

Applications

Automotive

Delivery form

Pellets, Natural Color

Regional Availability

North America, Europe, Asia Pacific