

Infino NH-1000T

Polycarbonate + ABS

LOTTE ADVANCED MATERIALS CO., LTD.

Message:

Infino NH-1000T is a polycarbonate acrylonitrile butadiene styrene (PC ABS) product. It is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. Typical application areas are: commercial/office supplies.

Features include:

- flame retardant/rated flame
- ROHS certification
- Flame Retardant

General Information			
Features	Flame retardancy		
Uses	Business equipment		
RoHS Compliance	RoHS compliance		
Physical	Nominal Value	Unit	Test Method
Specific Gravity (Natural)	1.17	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	39	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
Class r	112		ASTM D785
R scale	114		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2/50
Tensile Strength			
Yield ¹	54.0	MPa	ASTM D638
Yield	54.0	MPa	ISO 527-2/50
Fracture	44.0	MPa	ISO 527-2/50
Tensile Strain (Break)	78	%	ISO 527-2/50
Flexural Modulus			
-- ²	2400	MPa	ASTM D790
-- ³	2700	MPa	ISO 178
Flexural Strength			
-- ⁴	77.0	MPa	ASTM D790
-- ⁵	81.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁶ (23°C)	39	kJ/m ²	ISO 179/1eA
Notched Izod Impact			
23°C, 3.18 mm	390	J/m	ASTM D256
23°C ⁷	35	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature			
0.45 MPa, unannealed, 4.00mm	86.0	°C	ISO 75-2/B
0.45 MPa, annealing, 4.00mm	92.0	°C	ISO 75-2/B
1.8 MPa, not annealed, 4.00mm	76.0	°C	ISO 75-2/A
1.8 MPa, annealing, 4.00mm	84.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	89.0	°C	ISO 306/B50
--	91.0	°C	ISO 306/B120
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
0.75 mm	V-2		UL 94
1.5 mm	V-1		UL 94
	V-0		
2.0 mm	5VB		UL 94
	V-0		
3.0 mm	5VA		UL 94
2.5 mm	5VB		UL 94
NOTE			
1.	50 mm/min		
2.	2.8 mm/min		
3.	2.0 mm/min		
4.	2.8 mm/min		
5.	2.0 mm/min		
6.	Thickness: 4mm		
7.	Thickness: 4mm		

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