



OSTERMAN

Infino NH-1000T

LOTTE ADVANCED MATERIALS CO., LTD. - Polycarbonate + ABS

Wednesday, September 28, 2016

General Information

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Flame Retardant		
Uses	• Business Equipment		
RoHS Compliance	• RoHS Compliant		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity (Natural)	1.17		ASTM D792
Density (Natural)	1.17	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	39	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	39	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	363000	psi	ISO 527-2/50
Tensile Strength ² (Yield)	7830	psi	ASTM D638
Tensile Stress (Yield)	7830	psi	ISO 527-2/50
Tensile Stress (Break)	6380	psi	ISO 527-2/50
Tensile Strain (Break)	78	%	ISO 527-2/50
Flexural Modulus ³	348000	psi	ASTM D790
Flexural Modulus ⁴	392000	psi	ISO 178
Flexural Strength ³	11200	psi	ASTM D790
Flexural Stress ⁴	11700	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁵ (73°F)	19	ft-lb/in ²	ISO 179/1eA
Notched Izod Impact (73°F, 0.125 in)	7.3	ft-lb/in	ASTM D256
Notched Izod Impact Strength ⁵ (73°F)	17	ft-lb/in ²	ISO 180/1A
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	112		ASTM D785
Rockwell Hardness (R-Scale)	114		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature 66 psi, Unannealed, 0.157 in	187	°F	ISO 75-2/B
Heat Deflection Temperature 66 psi, Annealed, 0.157 in	198	°F	ISO 75-2/B
Heat Deflection Temperature 264 psi, Unannealed, 0.157 in	169	°F	ISO 75-2/A
Heat Deflection Temperature 264 psi, Annealed, 0.157 in	183	°F	ISO 75-2/A

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Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	192	°F	ISO 306/B50
--	196	°F	ISO 306/B120

Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.030 in	V-2		
0.06 in	V-1		
0.08 in	V-0		
	5VB		
0.12 in	V-0		
	5VA		
0.10 in	5VB		

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min

³ 0.11 in/min

⁴ 0.079 in/min

⁵ Thickness: 4mm