



OSTERMAN

# Infino NH-1033

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

Thursday, September 29, 2016

## General Information

### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Flame Retardant		

## ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Specific Gravity (Natural)	1.18		ASTM D792
Density (Natural)	1.18	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	35	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	35	g/10 min	ISO 1133
Molding Shrinkage - Flow (0.126 in)	1.8E-3 to 3.0E-3	in/in	ASTM D955
Molding Shrinkage - Across Flow (0.126 in)	1.8E-3 to 3.0E-3	in/in	ASTM D955
Molding Shrinkage			ISO 2577
Across Flow : 0.126 in	0.18 to 0.30	%	
Flow : 0.126 in	0.18 to 0.30	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>2</sup>	305000	psi	ASTM D638
Tensile Modulus	305000	psi	ISO 527-2/50
Tensile Strength <sup>2</sup> (Yield)	8560	psi	ASTM D638
Tensile Stress (Yield)	8700	psi	ISO 527-2/50
Tensile Strength <sup>2</sup> (Break)	8560	psi	ASTM D638
Tensile Stress (Break)	8700	psi	ISO 527-2/50
Tensile Elongation <sup>2</sup> (Break)	30	%	ASTM D638
Tensile Strain (Break)	30	%	ISO 527-2/50
Flexural Modulus <sup>3</sup>	334000	psi	ASTM D790
Flexural Modulus <sup>4</sup>	334000	psi	ISO 178
Flexural Strength <sup>3</sup>	12800	psi	ASTM D790
Flexural Stress <sup>4</sup>	13100	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength <sup>5</sup> (73°F)	14	ft-lb/in <sup>2</sup>	ISO 179/1eA
Notched Izod Impact			ASTM D256
73°F, 0.125 in	11	ft-lb/in	
73°F, 0.250 in	2.8	ft-lb/in	
Notched Izod Impact Strength <sup>5</sup> (73°F)	26	ft-lb/in <sup>2</sup>	ISO 180/1A
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	119		ASTM D785
Rockwell Hardness (R-Scale)	119		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed, 0.252 in	198	°F	

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Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature 264 psi, Unannealed, 0.157 in	198	°F	ISO 75-2/A
Vicat Softening Temperature	225	°F	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in	V-0		
0.12 in	V-0		

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 2.0 in/min

<sup>3</sup> 0.11 in/min

<sup>4</sup> 0.079 in/min

<sup>5</sup> Thickness: 4mm