



OSTERMAN

**Infino LX-1080****LOTTE ADVANCED MATERIALS CO., LTD. - Polycarbonate + ABS**

Wednesday, September 28, 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>**

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Specific Gravity (Natural)	1.20		ASTM D792
Density (Natural)	1.20	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	48	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	48	g/10 min	ISO 1133
Molding Shrinkage - Flow (0.126 in)	5.4E-3 to 6.6E-3	in/in	ASTM D955
Molding Shrinkage - Across Flow (0.126 in)	5.4E-3 to 6.6E-3	in/in	ASTM D955
Molding Shrinkage			ISO 2577
Across Flow : 0.126 in	0.54 to 0.66	%	
Flow : 0.126 in	0.54 to 0.66	%	
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Modulus <sup>2</sup>	363000	psi	ASTM D638
Tensile Modulus	348000	psi	ISO 527-2/50
Tensile Strength <sup>2</sup> (Yield)	9280	psi	ASTM D638
Tensile Stress (Yield)	9280	psi	ISO 527-2/50
Tensile Strength <sup>2</sup> (Break)	7110	psi	ASTM D638
Tensile Stress (Break)	7110	psi	ISO 527-2/50
Tensile Elongation <sup>2</sup> (Break)	25	%	ASTM D638
Tensile Strain (Break)	14	%	ISO 527-2/50
Flexural Modulus <sup>3</sup>	348000	psi	ASTM D790
Flexural Modulus <sup>4</sup>	341000	psi	ISO 178
Flexural Strength <sup>3</sup>	12800	psi	ASTM D790
Flexural Stress <sup>4</sup>	12800	psi	ISO 178
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Charpy Notched Impact Strength <sup>5</sup> (73°F)	3.8	ft-lb/in <sup>2</sup>	ISO 179/1eA
Notched Izod Impact			ASTM D256
73°F, 0.125 in	2.8	ft-lb/in	
73°F, 0.250 in	2.1	ft-lb/in	
Notched Izod Impact Strength <sup>5</sup> (73°F)	7.1	ft-lb/in <sup>2</sup>	ISO 180/1A
<b>Hardness</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Rockwell Hardness (R-Scale)	118		ASTM D785
Rockwell Hardness (R-Scale)	118		ISO 2039-2

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

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 66 psi, Unannealed, 0.252 in	201	°F	ASTM D648
Heat Deflection Temperature 66 psi, Unannealed, 0.157 in	201	°F	ISO 75-2/B
Deflection Temperature Under Load 264 psi, Unannealed, 0.252 in	183	°F	ASTM D648
Heat Deflection Temperature 264 psi, Unannealed, 0.157 in	183	°F	ISO 75-2/A
Vicat Softening Temperature	207	°F	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.05 in	V-1		
0.06 to 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