



OSTERMAN

# Infino NH-1029

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

Thursday, September 29, 2016

## General Information

### General

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

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

Physical	Nominal Value	Unit	Test Method
Specific Gravity (Natural)	1.19		ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	110	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield)	8560	psi	ASTM D638
Flexural Modulus <sup>3</sup>	348000	psi	ASTM D790
Flexural Strength <sup>3</sup>	12800	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	7.3	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	194	°F	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.05 in		V-1	
0.06 in		V-0	
0.12 in		V-0	

## Processing Information

Injection	Nominal Value	Unit
Drying Temperature		
--	176	°F
Desiccant Dryer	176	°F
Drying Time		
--	4.0	hr
Desiccant Dryer	2.0	hr
Suggested Max Moisture	0.030	%
Rear Temperature	356 to 428	°F
Middle Temperature	428 to 464	°F
Front Temperature	428 to 482	°F
Nozzle Temperature	446	°F
Mold Temperature	122 to 194	°F
Injection Pressure	14200	psi
Back Pressure	145	psi
Screw Speed	30	rpm

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### Injection Notes

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Hot Runner Manifold Temperature: 240°C

Hot Runner Valve Nozzle Temperature: 240°C

### 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