

Infino NH-1029

Polycarbonate + ABS

LOTTE ADVANCED MATERIALS CO., LTD.

Message:

Infino NH-1029 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.

Features include:

- flame retardant/rated flame
- Flame Retardant

General Information			
UL YellowCard	E115797-100823003		
Features	Flame retardancy		
Physical	Nominal Value	Unit	Test Method
Specific Gravity (Natural)	1.19	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	110	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	59.0	MPa	ASTM D638
Flexural Modulus ²	2400	MPa	ASTM D790
Flexural Strength ³	88.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	390	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	90.0	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.2 mm	V-1		UL 94
1.5 mm	V-0		UL 94
3.0 mm	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature			
--	80	°C	
Hot air dryer	80	°C	
Drying Time			
--	4.0	hr	
Hot air dryer	2.0	hr	
Suggested Max Moisture	0.030	%	
Rear Temperature	180 - 220	°C	
Middle Temperature	220 - 240	°C	

Front Temperature	220 - 250	°C
Nozzle Temperature	230	°C
Mold Temperature	50 - 90	°C
Injection Pressure	98.0	MPa
Back Pressure	1.00	MPa
Screw Speed	30	rpm

Injection instructions

Hot Runner Manifold Temperature: 240°C Hot Runner Valve Nozzle Temperature: 240°C

NOTE

1.	50 mm/min
2.	2.8 mm/min
3.	2.8 mm/min

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