

Infino NH-1015S

Polycarbonate + ABS

LOTTE ADVANCED MATERIALS CO., LTD.

Message:

Infino NH-1015S 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. Infino NH-1015S applications include electrical/electronic applications and electrical appliances.

Features include:

flame retardant/rated flame

Flame Retardant

General Information			
UL YellowCard	E115797-219646		
Features	Flame retardancy		
Uses	Computer components		
	Electrical appliances		

Physical	Nominal Value	Unit	Test Method
Specific Gravity (Natural)	1.18	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR)			
220°C/10.0 kg	36	g/10 min	ASTM D1238
250°C/10.0 kg	36	g/10 min	ISO 1133

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
Class r	121		ASTM D785
R scale	121		ISO 2039-2

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	2400	MPa	ASTM D638
--	2500	MPa	ISO 527-2/50
Tensile Strength			
Yield ²	59.0	MPa	ASTM D638
Yield	61.0	MPa	ISO 527-2/50
Fracture ³	47.0	MPa	ASTM D638
Fracture	48.0	MPa	ISO 527-2/50
Tensile Elongation			
Fracture ⁴	26	%	ASTM D638
Fracture	27	%	ISO 527-2/50
Flexural Modulus			
-- ⁵	2400	MPa	ASTM D790
-- ⁶	2550	MPa	ISO 178
Flexural Strength			

-- 7	85.0	MPa	ASTM D790
-- 8	89.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁹ (23°C)	27	kJ/m ²	ISO 179/1eA
Notched Izod Impact			
23°C, 3.18 mm	510	J/m	ASTM D256
23°C ¹⁰	35	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, unannealed, 6.40mm	96.0	°C	ASTM D648
0.45 MPa, unannealed, 4.00mm	95.0	°C	ISO 75-2/B
1.8 MPa, unannealed, 6.40mm	92.0	°C	ASTM D648
1.8 MPa, not annealed, 4.00mm	84.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	100	°C	ISO 306/B50
--	103	°C	ISO 306/B120
RTI Elec (1.5 mm)	90.0	°C	UL 746
RTI Imp (1.5 mm)	85.0	°C	UL 746
RTI (1.5 mm)	90.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating (1.5 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature			
--	80	°C	
Hot air dryer	80	°C	
Drying Time			
--	3.0	hr	
Hot air dryer	2.0	hr	
Suggested Max Moisture	< 0.020	%	
Rear Temperature	230 - 240	°C	
Middle Temperature	250 - 270	°C	
Front Temperature	270 - 280	°C	
Nozzle Temperature	280	°C	
Mold Temperature	50 - 90	°C	
Injection Pressure	98.0	MPa	
Back Pressure	0.500	MPa	
Screw Speed	50	rpm	
Injection instructions			
Hot Runner Manifold Temperature: 280°C Hot Runner Valve Nozzle Temperature: 280°C			
NOTE			
1.	50 mm/min		
2.	50 mm/min		

3.	50 mm/min
4.	50 mm/min
5.	2.8 mm/min
6.	2.0 mm/min
7.	2.8 mm/min
8.	2.0 mm/min
9.	Thickness: 4mm
10.	Thickness: 4mm

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

