

Infino NH-1015U

Polycarbonate + ABS

LOTTE ADVANCED MATERIALS CO., LTD.

Message:

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

Features include:

flame retardant/rated flame

Flame Retardant

General Information			
UL YellowCard	E115797-101738796		
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)	34	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow: 3.20mm	0.34 - 0.42	%	ASTM D955
Transverse flow: 3.20mm	0.36 - 0.44	%	ASTM D955
Lateral flow: 3.20mm	0.36 - 0.44	%	ISO 2577
Traffic: 3.20mm	0.34 - 0.42	%	ISO 2577

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
Class r	118		ASTM D785
R scale	118		ISO 2039-2

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	2400	MPa	ASTM D638
--	2400	MPa	ISO 527-2/50
Tensile Strength			
Yield ²	59.0	MPa	ASTM D638
Yield	60.0	MPa	ISO 527-2/50
Fracture ³	55.0	MPa	ASTM D638
Fracture	56.0	MPa	ISO 527-2/50
Tensile Elongation			
Fracture ⁴	50	%	ASTM D638
Fracture	50	%	ISO 527-2/50
Flexural Modulus			

-- 5	2500	MPa	ASTM D790
-- 6	2500	MPa	ISO 178
Flexural Strength			
-- 7	88.0	MPa	ASTM D790
-- 8	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁹ (23°C)	45	kJ/m ²	ISO 179/1eA
Notched Izod Impact			
23°C, 3.18 mm	540	J/m	ASTM D256
23°C, 6.35 mm	180	J/m	ASTM D256
23°C ¹⁰	40	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, unannealed, 6.40mm	86.0	°C	ASTM D648
1.8 MPa, not annealed, 4.00mm	82.0	°C	ISO 75-2/A
Vicat Softening Temperature	98.0	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating (1.5 mm)	V-0		UL 94
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		

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