

Infino NH-1001T

Polycarbonate + ABS
SAMSUNG SDI CO., LTD.

Message:

Infino NH-1001T is a Polycarbonate + ABS (PC+ABS) product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.
Primary characteristic: flame rated.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR)			
220°C/10.0 kg	25	g/10 min	ASTM D1238
220°C/10.0 kg	26	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	114		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	2300	MPa	ASTM D638
--	2300	MPa	ISO 527-2/50
Tensile Strength			
Yield ²	57.0	MPa	ASTM D638
Yield	55.0	MPa	ISO 527-2/50
Break ³	52.0	MPa	ASTM D638
Break	52.0	MPa	ISO 527-2/50
Tensile Elongation			
Break ⁴	87	%	ASTM D638
Break	99	%	ISO 527-2/50
Flexural Modulus			
-- ⁵	2500	MPa	ASTM D790
-- ⁶	2300	MPa	ISO 178
Flexural Strength			
-- ⁷	78.0	MPa	ASTM D790
-- ⁸	83.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁹ (23°C)	60	kJ/m ²	ISO 179/1eA
Notched Izod Impact			
23°C, 3.18 mm	640	J/m	ASTM D256
23°C, 6.35 mm	520	J/m	ASTM D256
23°C ¹⁰	55	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load			
0.45 MPa, Unannealed, 6.40 mm	90.0	°C	ASTM D648
0.45 MPa, Unannealed, 4.00 mm	88.0	°C	ISO 75-2/B
1.8 MPa, Unannealed, 6.40 mm	84.0	°C	ASTM D648
1.8 MPa, Unannealed, 4.00 mm	77.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	93.0	°C	ISO 306/B50
--	95.0	°C	ISO 306/B120
Flammability	Nominal Value		Test Method
Flame Rating (2.00 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature			
--	80.0	°C	
Desiccant Dryer	80.0	°C	
Drying Time			
--	4.0 to 6.0	hr	
Desiccant Dryer	2.0 to 4.0	hr	
Suggested Max Moisture	< 0.050	%	
Rear Temperature	220 to 230	°C	
Middle Temperature	240 to 250	°C	
Front Temperature	260 to 270	°C	
Nozzle Temperature	270	°C	
Mold Temperature	50.0 to 70.0	°C	
Injection Pressure	93.2	MPa	
Back Pressure	0.490 to 1.96	MPa	
Screw Speed	50 to 150	rpm	
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: 4 mm		
10.	Thickness: 4 mm		

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.

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

