

Infino NE-1010

Polycarbonate + ABS
SAMSUNG SDI CO., LTD.

Message:

Infino NE-1010 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			
UL YellowCard	E115797-100766600		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	48	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			ASTM D955, ISO 2577
Flow : 3.20 mm	0.50	%	
Across Flow : 3.20 mm	0.50	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	2300	MPa	ASTM D638
--	2500	MPa	ISO 527-2/50
Tensile Strength			
Yield ²	64.0	MPa	ASTM D638
Yield	65.0	MPa	ISO 527-2/50
Break ³	64.0	MPa	ASTM D638
Break	64.0	MPa	ISO 527-2/50
Tensile Elongation			
Break ⁴	80	%	ASTM D638
Break	20	%	ISO 527-2/50
Flexural Modulus			
-- ⁵	2600	MPa	ASTM D790
-- ⁶	2600	MPa	ISO 178
Flexural Strength			
-- ⁷	90.0	MPa	ASTM D790
-- ⁸	92.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁹ (23°C)	14	kJ/m ²	ISO 179/1eA
Notched Izod Impact			
23°C, 3.18 mm	390	J/m	ASTM D256
23°C ¹⁰	12	kJ/m ²	ISO 180/1A

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed, 4.00 mm	91.0	°C	ISO 75-2/B
0.45 MPa, Annealed	96.0	°C	ISO 75-2/B
1.8 MPa, Unannealed, 6.40 mm	81.0	°C	ASTM D648
1.8 MPa, Unannealed, 4.00 mm	80.0	°C	ISO 75-2/A
1.8 MPa, Annealed, 4.00 mm	89.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	96.0	°C	ISO 306/B50
--	99.0	°C	ISO 306/B120
Flammability	Nominal Value	Test Method	
Flame Rating		UL 94	
1.50 mm	V-0		
2.00 mm	5VB		
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	88.3	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.

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

