

Infino HI-1001BG

Polycarbonate + ABS

SAMSUNG SDI CO., LTD.

Message:

PC/ABS material that can be applied to automobile wheel cap and air-conditioner panel

General Information			
UL YellowCard	E115797-219626		
Uses	Automotive Exterior Parts		
	Automotive Interior Parts		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/10.0 kg)	60	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.70	%	ASTM D955, ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	107		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ISO 527-2/50
Tensile Strength			
Yield ¹	56.0	MPa	ASTM D638
Yield	47.0	MPa	ISO 527-2/50
Break	39.0	MPa	ISO 527-2/50
Tensile Strain (Break)	39	%	ISO 527-2/50
Flexural Modulus			
-- ²	1800	MPa	ASTM D790
-- ³	2300	MPa	ISO 178
Flexural Strength			
-- ⁴	62.0	MPa	ASTM D790
-- ⁵	72.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁶ (23°C)	37	kJ/m ²	ISO 179/1eA
Notched Izod Impact			
23°C, 6.35 mm	420	J/m	ASTM D256
23°C ⁷	37	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed, 4.00 mm	107	°C	ISO 75-2/B
1.8 MPa, Unannealed, 4.00 mm	87.0	°C	ISO 75-2/A

Vicat Softening Temperature	105	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	HB		
3.00 mm	HB		
6.00 mm	HB		
Injection	Nominal Value	Unit	
Drying Temperature			
--	80.0 to 100	°C	
Desiccant Dryer	80.0 to 100	°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.	2.8 mm/min		
3.	2.0 mm/min		
4.	2.8 mm/min		
5.	2.0 mm/min		
6.	Thickness: 4 mm		
7.	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



WECHAT