

Infino GC-1150

Polycarbonate + ABS

SAMSUNG SDI CO., LTD.

Message:

Infino GC-1150 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	E115797-100212424		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	31	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow : 3.20 mm	0.22 to 0.27	%	ASTM D955
Across Flow : 3.20 mm	0.23 to 0.28	%	ASTM D955, ISO 2577
Flow : 3.20 mm	0.22 to 0.37	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	4200	MPa	ASTM D638
Tensile Strength			
Yield ²	64.0	MPa	ASTM D638
Yield	64.0	MPa	ISO 527-2/50
Break ³	43.0	MPa	ASTM D638
Tensile Elongation ⁴ (Break)	11	%	ASTM D638
Flexural Modulus			
-- ⁵	4000	MPa	ASTM D790
-- ⁶	3900	MPa	ISO 178
Flexural Strength			
-- ⁷	93.0	MPa	ASTM D790
-- ⁸	93.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁹ (23°C)	7.0	kJ/m ²	ISO 179/1eA
Notched Izod Impact			
23°C, 3.18 mm	69	J/m	ASTM D256
23°C, 6.35 mm	59	J/m	ASTM D256
23°C ¹⁰	6.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	83.0	°C	ASTM D648
Vicat Softening Temperature	93.0	°C	ISO 306/B50
Flammability	Nominal Value	Test Method	

Flame Rating		UL 94
1.20 mm	V-0	
3.00 mm	V-0	
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	230	°C
Middle Temperature	240 to 250	°C
Front Temperature	250 to 260	°C
Nozzle Temperature	260	°C
Mold Temperature	50.0 to 80.0	°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.

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