

Infino GW-3130

Polycarbonate
SAMSUNG SDI CO., LTD.

Message:

Infino GW-3130 is a Polycarbonate (PC) product filled with glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.
Characteristics include:
Flame Rated
RoHS Compliant

General Information			
UL YellowCard	E115797-100762374		
Filler / Reinforcement	Glass Fiber		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR)			ASTM D1238, ISO 1133
250°C/10.0 kg	17	g/10 min	
300°C/1.2 kg	9.0	g/10 min	
Molding Shrinkage			ASTM D955, ISO 2577
Flow : 3.20 mm	0.30 to 0.40	%	
Across Flow : 3.20 mm	0.40 to 0.50	%	
Water Absorption (23°C, 24 hr)	0.050	%	ASTM D570
Ash Content			
--	10	%	ISO 3451
--	10	%	ASTM D5630
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	3200	MPa	ASTM D638
--	3100	MPa	ISO 527-2/50
Tensile Strength			
Yield ²	51.0	MPa	ASTM D638
Yield	55.0	MPa	ISO 527-2/50
Break ³	35.0	MPa	ASTM D638
Break	32.0	MPa	ISO 527-2/50
Tensile Elongation			
Break ⁴	13	%	ASTM D638
Break	13	%	ISO 527-2/50
Flexural Modulus			

-- ⁵	3100	MPa	ASTM D790
-- ⁶	3200	MPa	ISO 178
Flexural Strength			
-- ⁷	88.0	MPa	ASTM D790
-- ⁸	88.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁹ (23°C)	20	kJ/m ²	ISO 179/1eA
Notched Izod Impact			
23°C, 3.18 mm	250	J/m	ASTM D256
23°C, 6.35 mm	180	J/m	ASTM D256
23°C ¹⁰	19	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 6.40 mm	142	°C	ASTM D648
0.45 MPa, Unannealed, 4.00 mm	143	°C	ISO 75-2/B
0.45 MPa, Annealed	143	°C	ISO 75-2/B
1.8 MPa, Unannealed, 6.40 mm	137	°C	ASTM D648
1.8 MPa, Unannealed, 4.00 mm	131	°C	ISO 75-2/A
1.8 MPa, Annealed, 4.00 mm	131	°C	ISO 75-2/A
Vicat Softening Temperature			
--	145	°C	ISO 306/B50
--	147	°C	ISO 306/B120
Electrical	Nominal Value		Test Method
Dielectric Constant (25°C)	2.80		ASTM D150
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
0.800 mm	HB		
3.20 mm	HB		
Injection	Nominal Value	Unit	
Drying Temperature			
--	100	°C	
Desiccant Dryer	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	270	°C	
Middle Temperature	280 to 290	°C	
Front Temperature	290 to 300	°C	
Nozzle Temperature	300	°C	
Mold Temperature	70.0 to 120	°C	
Injection Pressure	98.1	MPa	

Back Pressure	0.490 to 1.96	MPa
Screw Speed	50 to 150	rpm

NOTE		
1.	5.0 mm/min	
2.	5.0 mm/min	
3.	5.0 mm/min	
4.	5.0 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