

Infino NH-3204G

Polycarbonate
SAMSUNG SDI CO., LTD.

Message:

Infino NH-3204G is a Polycarbonate (PC) product filled with glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary characteristic: flame rated.

General Information			
UL YellowCard	E115797-613147		
Filler / Reinforcement	Glass Fiber		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/10.0 kg)	36	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	88.0	MPa	ASTM D638
Yield	109	MPa	ISO 527-2/50
Flexural Modulus			
-- ²	4400	MPa	ASTM D790
-- ³	6000	MPa	ISO 178
Flexural Strength			
-- ⁴	110	MPa	ASTM D790
-- ⁵	146	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁶ (23°C)	8.0	kJ/m ²	ISO 179/1eA
Notched Izod Impact			
23°C, 0.125 mm	74	J/m	ASTM D256
23°C ⁷	7.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	115	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating (2.50 mm)	V-0	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature			
--	120	°C	
Desiccant Dryer	120	°C	
Drying Time			
--	4.0 to 6.0	hr	
Desiccant Dryer	2.0 to 4.0	hr	

Suggested Max Moisture	< 0.050	%
Rear Temperature	240 to 250	°C
Middle Temperature	260 to 270	°C
Front Temperature	280 to 290	°C
Nozzle Temperature	290	°C
Mold Temperature	70.0 to 100	°C
Injection Pressure	68.6 to 226	MPa
Back Pressure	0.490 to 1.96	MPa
Screw Speed	50 to 150	rpm

NOTE

1.	5.0 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

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