

Infino VB-8202G

Polyphenylene Ether
SAMSUNG SDI CO., LTD.

Message:

Infino VB-8202G is a Polyphenylene Ether (PPE) 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	E115797-219738		
Filler / Reinforcement	Glass Fiber		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/10.0 kg)	4.0	g/10 min	ASTM D1238, ISO 1133
Ash Content			
--	20	%	ISO 3451
--	20	%	ASTM D5630
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	98.0	MPa	ASTM D638
Flexural Modulus ²	5900	MPa	ASTM D790
Flexural Strength ³	150	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	98	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	135	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating			UL 94
0.750 mm	V-1		
1.60 mm	V-1		
3.00 mm	V-1		
6.00 mm	V-1		
Injection	Nominal Value	Unit	
Drying Temperature			
--	100	°C	
Desiccant Dryer	100	°C	
Drying Time			
--	4.0	hr	
Desiccant Dryer	2.0	hr	
Suggested Max Moisture	0.040	%	
Rear Temperature	260	°C	

Middle Temperature	260 to 270	°C
Front Temperature	270 to 290	°C
Nozzle Temperature	290	°C
Mold Temperature	60.0 to 80.0	°C
Injection Pressure	196	MPa
Back Pressure	1.96 to 3.92	MPa
Screw Speed	200 to 500	rpm

NOTE

- | | |
|----|------------|
| 1. | 5.0 mm/min |
| 2. | 2.8 mm/min |
| 3. | 2.8 mm/min |

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