

Infino VB-5305G

Polybutylene Terephthalate

SAMSUNG SDI CO., LTD.

Message:

Infino VB-5305G is a Polybutylene Terephthalate (PBT) product filled with glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary characteristic: rohs compliant.

General Information			
UL YellowCard	E115797-219687		
Filler / Reinforcement	Glass Fiber		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.62	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	28	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	118		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	120	MPa	ASTM D638
Flexural Modulus ²	8800	MPa	ASTM D790
Flexural Strength ³	180	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	69	J/m	ASTM D256
Injection	Nominal Value	Unit	
Drying Temperature			
--	110	°C	
Desiccant Dryer	110	°C	
Drying Time			
--	4.0 to 6.0	hr	
Desiccant Dryer	2.0 to 4.0	hr	
Suggested Max Moisture	< 0.050	%	
Rear Temperature	210 to 220	°C	
Middle Temperature	225 to 230	°C	
Front Temperature	240 to 250	°C	
Nozzle Temperature	250	°C	
Mold Temperature	60.0 to 120	°C	
Injection Pressure	49.0 to 245	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.	2.8 mm/min

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Recommended distributors for this material

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