

Infino XI-2008F

Polyphenylene Sulfide + PPA
SAMSUNG SDI CO., LTD.

Message:

Infino XI-2008F is a Polyphenylene Sulfide + PPA (PPS+PPA) product filled with mineral. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

General Information			
UL YellowCard	E115797-100972341		
Filler / Reinforcement	Mineral		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.20	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	10	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	109		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	29.0	MPa	ASTM D638
Yield	30.0	MPa	ISO 527-2/5
Flexural Modulus ²			
--	11000	MPa	ASTM D790
--	9000	MPa	ISO 178
Flexural Strength ³			
--	59.0	MPa	ASTM D790
--	60.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁴ (23°C)	3.0	kJ/m ²	ISO 179/1eA
Notched Izod Impact			
23°C, 3.18 mm	20	J/m	ASTM D256
23°C ⁵	3.5	kJ/m ²	ISO 180/1A
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	280 to 290	°C	
Middle Temperature	290 to 300	°C	

Front Temperature	310 to 320	°C
Nozzle Temperature	320	°C
Mold Temperature	120 to 140	°C
Injection Pressure	49.0 to 127	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	
4.	Thickness: 4 mm	
5.	Thickness: 4 mm	

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Recommended distributors for this material

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