

Infino NF-3017

Polycarbonate + ABS

SAMSUNG SDI CO., LTD.

Message:

Flame-retardant scratch resistant material that can be applied to notebook B part

General Information			
UL YellowCard	E115797-100468308		
Features	High Scratch Resistance		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	21	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	64.0	MPa	ASTM D638
Yield	65.0	MPa	ISO 527-2/50
Flexural Modulus			
-- ²	2500	MPa	ASTM D790
-- ³	2650	MPa	ISO 178
Flexural Strength			
-- ⁴	88.0	MPa	ASTM D790
-- ⁵	98.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁶ (23°C)	7.0	kJ/m ²	ISO 179/1eA
Notched Izod Impact			
23°C, 3.18 mm	49	J/m	ASTM D256
23°C ⁷	6.5	kJ/m ²	ISO 180/1A
Flammability	Nominal Value	Test Method	
Flame Rating (1.00 mm)	V-0	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature			
--	80.0	°C	
Desiccant Dryer	80.0	°C	
Drying Time			
--	4.0 to 6.0	hr	
Desiccant Dryer	2.0 to 4.0	hr	
Suggested Max Moisture	< 0.050	%	

Rear Temperature	220 to 230	°C
Middle Temperature	240 to 250	°C
Front Temperature	260 to 270	°C
Nozzle Temperature	270	°C
Mold Temperature	50.0 to 70.0	°C
Injection Pressure	98.1	MPa
Back Pressure	0.490 to 1.96	MPa
Screw Speed	50 to 150	rpm

NOTE

1.	50 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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