

Infino NF-3017H

Polycarbonate + ABS
SAMSUNG SDI CO., LTD.

Message:

Infino NF-3017H is a Polycarbonate + ABS (PC+ABS) product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary characteristic: flame rated.

General Information			
UL YellowCard	E115797-100468308		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR)			
250°C/2.16 kg	16	g/10 min	ASTM D1238
280°C/10.0 kg	16	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	71.0	MPa	ASTM D638
Yield	70.0	MPa	ISO 527-2/50
Flexural Modulus ²	2690	MPa	ISO 178
Flexural Stress ³	110	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁴ (23°C)	5.0	kJ/m ²	ISO 179/1eA
Notched Izod Impact Strength ⁵ (23°C)	5.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	94.0	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating (1.00 to 3.00 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature			
--	80.0	°C	
Desiccant Dryer	80.0	°C	
Drying Time			
--	3.0 to 4.0	hr	
Desiccant Dryer	2.0 to 3.0	hr	
Suggested Max Moisture	< 0.040	%	
Rear Temperature	210 to 230	°C	
Middle Temperature	230 to 240	°C	
Front Temperature	240 to 250	°C	

Nozzle Temperature	250	°C
Mold Temperature	70.0 to 90.0	°C
Injection Pressure	98.1	MPa
Back Pressure	0.196 to 2.94	MPa
Screw Speed	50 to 100	rpm

NOTE

- | | |
|----|-----------------|
| 1. | 50 mm/min |
| 2. | 2.0 mm/min |
| 3. | 2.0 mm/min |
| 4. | Thickness: 4 mm |
| 5. | Thickness: 4 mm |

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

