

Infino NH-1015V

Polycarbonate + ABS
SAMSUNG SDI CO., LTD.

Message:

Infino NH-1015V 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	E115797-219646		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	30	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	118		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2/50
Tensile Strength			
Yield ¹	64.0	MPa	ASTM D638
Yield	61.0	MPa	ISO 527-2/50
Break	48.0	MPa	ISO 527-2/50
Tensile Strain (Break)	45	%	ISO 527-2/50
Flexural Modulus			
-- ²	2400	MPa	ASTM D790
-- ³	2550	MPa	ISO 178
Flexural Strength			
-- ⁴	87.0	MPa	ASTM D790
-- ⁵	89.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁶ (23°C)	17	kJ/m ²	ISO 179/1eA
Notched Izod Impact			
23°C, 3.18 mm	540	J/m	ASTM D256
23°C ⁷	14	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed, 4.00 mm	94.0	°C	ISO 75-2/B
0.45 MPa, Annealed	102	°C	ISO 75-2/B
1.8 MPa, Unannealed, 6.40 mm	86.0	°C	ASTM D648
1.8 MPa, Unannealed, 4.00 mm	82.0	°C	ISO 75-2/A
1.8 MPa, Annealed, 4.00 mm	97.0	°C	ISO 75-2/A

Vicat Softening Temperature			
--	100	°C	ISO 306/B50
--	103	°C	ISO 306/B120
RTI Elec (1.50 mm)	90.0	°C	UL 746
RTI Imp (1.50 mm)	85.0	°C	UL 746
RTI Str (1.50 mm)	90.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	V-0		
2.00 mm	5VB		
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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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

