Infino NH-1017

Polycarbonate + ABS

LOTTE ADVANCED MATERIALS CO., LTD.

Message:

Infino NH-1017 is a polycarbonate acrylonitrile butadiene styrene (PC ABS) product. It is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. Typical application areas are: electrical/electronic applications.
Features include:
flame retardant/rated flame
Flame Retardant

General Information			
UL YellowCard	E115797-219724		
Features	Flame retardancy		
Uses	Electrical/Electronic Applications		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity (Natural)	1.17	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	55	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow: 3.20mm	0.20 - 0.30	%	ASTM D955
Transverse flow: 3.20mm	0.20 - 0.40	%	ASTM D955
Lateral flow: 3.20mm	0.20 - 0.40	%	ISO 2577
Traffic: 3.20mm	0.20 - 0.30	%	ISO 2577
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness			
Class r	113		ASTM D785
R scale	113		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			
-- [1]	2400	MPa	ASTM D638
--	2400	MPa	ISO 527-2/50
Tensile Strength			
Yield [2]	53.0	MPa	ASTM D638
Yield	59.0	MPa	ISO 527-2/50
Fracture [3]	43.0	MPa	ASTM D638
Fracture	44.0	MPa	ISO 527-2/50
Tensile Elongation			
Fracture [4]	8.8	%	ASTM D638
Fracture	10	%	ISO 527-2/50
Flexural Modulus			
-- [5]	2100	MPa	ASTM D790
-- [6]	2350	MPa	ISO 178

Flexural Strength			
-- [7]	74.0	MPa	ASTM D790
-- [8]	83.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength [9] (23°C)	14	kJ/m²	ISO 179/1eA
Notched Izod Impact			
23°C, 3.18 mm	440	J/m	ASTM D256
23°C [10]	13	kJ/m²	ISO 180/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			
0.45 MPa, unannealed, 6.40mm	87.0	°C	ASTM D648
0.45 MPa, unannealed, 4.00mm	85.0	°C	ISO 75-2/B
1.8 MPa, unannealed, 6.40mm	80.0	°C	ASTM D648
1.8 MPa, not annealed, 4.00mm	75.0	°C	ISO 75-2/A
Vicat Softening Temperature	91.0	°C	ISO 306/B50
RTI Elec (2.0 mm)	85.0	°C	UL 746
RTI Imp (2.0 mm)	85.0	°C	UL 746
RTI (2.0 mm)	85.0	°C	UL 746
Flammability	**Nominal Value**		**Test Method**
	V-0		
Flame Rating (2.0 to 3.0mm)	5VB		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature			
--	80	°C	
Hot air dryer	80	°C	
Drying Time			
--	4.0 - 6.0	hr	
Hot air dryer	3.0 - 4.0	hr	
Suggested Max Moisture	< 0.040	%	
Rear Temperature	210 - 230	°C	
Middle Temperature	230 - 240	°C	
Front Temperature	240 - 250	°C	
Nozzle Temperature	250	°C	
Mold Temperature	80 - 110	°C	
Injection Pressure	98.0	MPa	
Back Pressure	1.00 - 2.00	MPa	
Screw Speed	30 - 50	rpm	
NOTE			
1.	50 mm/min		
2.	50 mm/min		

3.	50 mm/min
4.	50 mm/min
5.	2.8 mm/min
6.	2.0 mm/min
7.	2.8 mm/min
8.	2.0 mm/min
9.	Thickness: 4mm
10.	Thickness: 4mm

Recommended distributors for this material

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