

Infino NE-1030TV

Polycarbonate + ABS

LOTTE ADVANCED MATERIALS CO., LTD.

Message:

Infino NE-1030TV 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	E115797-100920476	E115797-101290243	
Features	Flame retardancy		
Uses	Electrical/Electronic Applications		
Physical	Nominal Value	Unit	Test Method
Specific Gravity (Natural)	1.20	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR)			
220°C/10.0 kg	75	g/10 min	ASTM D1238, ISO 1133
250°C/2.16 kg	27	g/10 min	ASTM D1238
250°C/2.16 kg	25	g/10 min	ISO 1133
Molding Shrinkage			
Flow: 3.20mm	0.060	%	ASTM D955
Transverse flow: 3.20mm	0.060	%	ASTM D955
Lateral flow: 3.20mm	0.060	%	ISO 2577
Traffic: 3.20mm	0.060	%	ISO 2577
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
Class r	116		ASTM D785
R scale	116		ISO 2039-2
Pencil Hardness ¹	2B		JIS K5401
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ²	2200	MPa	ASTM D638
--	2200	MPa	ISO 527-2/50
Tensile Strength			
Yield ³	61.0	MPa	ASTM D638
Yield	55.0	MPa	ISO 527-2/50
Fracture ⁴	59.0	MPa	ASTM D638
Fracture	55.0	MPa	ISO 527-2/50
Tensile Elongation			
Fracture ⁵	60	%	ASTM D638

Fracture	60	%	ISO 527-2/50
Flexural Modulus			
-- 6	2500	MPa	ASTM D790
-- 7	2400	MPa	ISO 178
Flexural Strength			
-- 8	86.0	MPa	ASTM D790
-- 9	85.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ¹⁰ (23°C)	20	kJ/m ²	ISO 179/1eA
Notched Izod Impact			
23°C, 3.18 mm	440	J/m	ASTM D256
23°C, 6.35 mm	170	J/m	ASTM D256
23°C ¹¹	25	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, unannealed, 4.00mm	66.0	°C	ISO 75-2/B
1.8 MPa, unannealed, 6.40mm	84.0	°C	ASTM D648
1.8 MPa, not annealed, 4.00mm	68.0	°C	ISO 75-2/A
Vicat Softening Temperature	87.0	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.5 mm	V-0		UL 94
3.0 mm	V-0		UL 94
2.5 mm	5VB		UL 94
NOTE			
1.	500g		
2.	50 mm/min		
3.	50 mm/min		
4.	50 mm/min		
5.	50 mm/min		
6.	2.8 mm/min		
7.	2.0 mm/min		
8.	2.8 mm/min		
9.	2.0 mm/min		
10.	Thickness: 4mm		
11.	Thickness: 4mm		

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