

Infino GC-1250

Polycarbonate + ABS

LOTTE ADVANCED MATERIALS CO., LTD.

Message:

Infino GC-1250 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	E115797-101808048		
Features	Flame retardancy		
Uses	Computer components		
Physical	Nominal Value	Unit	Test Method
Specific Gravity (Natural)	1.39	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR)			ASTM D1238, ISO 1133
250°C/2.16 kg	10	g/10 min	ASTM D1238, ISO 1133
250°C/5.0 kg	36	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow: 3.20mm	0.18 - 0.22	%	ASTM D955
Transverse flow: 3.20mm	0.18 - 0.22	%	ASTM D955
Lateral flow: 3.20mm	0.18 - 0.22	%	ISO 2577
Traffic: 3.20mm	0.18 - 0.22	%	ISO 2577
Tg (half width) - DSC	100	°C	
Ash Content			
--	26	%	ISO 3451
--	26	%	ASTM D5630
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
Class r	110		ASTM D785
R scale	110		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	4410	MPa	ASTM D638
--	4500	MPa	ISO 527-2/5
Tensile Strength			
Yield ²	54.9	MPa	ASTM D638
Yield	56.0	MPa	ISO 527-2/5
Fracture ³	39.2	MPa	ASTM D638
Fracture	40.0	MPa	ISO 527-2/5

Tensile Elongation			
Fracture ⁴	8.0	%	ASTM D638
Fracture	8.0	%	ISO 527-2/5
Flexural Modulus			
-- ⁵	5390	MPa	ASTM D790
-- ⁶	5500	MPa	ISO 178
Flexural Strength			
-- ⁷	88.3	MPa	ASTM D790
-- ⁸	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁹ (23°C)	6.5	kJ/m ²	ISO 179/1eA
Notched Izod Impact			
23°C, 3.18 mm	64	J/m	ASTM D256
23°C, 6.35 mm	64	J/m	ASTM D256
23°C ¹⁰	6.5	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, unannealed, 6.40mm	92.0	°C	ASTM D648
1.8 MPa, not annealed, 4.00mm	92.0	°C	ISO 75-2/A
Vicat Softening Temperature	100	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.2 mm	V-0		UL 94
3.0 mm	V-0		UL 94
NOTE			
1.	5.0 mm/min		
2.	5.0 mm/min		
3.	5.0 mm/min		
4.	5.0 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		

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