

Infino LS-1159S

Polycarbonate + ABS

LOTTE ADVANCED MATERIALS CO., LTD.

Message:

Infino LS-1159S is a polycarbonate acrylonitrile butadiene styrene (PC ABS) product, which contains a glass fiber reinforced material. 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	E115797-101209744		
Filler / Reinforcement	Glass fiber reinforced material		
Features	Flame retardancy		
Uses	Electrical/Electronic Applications		
Physical	Nominal Value	Unit	Test Method
Specific Gravity (Natural)	1.28	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR)			ASTM D1238, ISO 1133
220°C/10.0 kg	25	g/10 min	ASTM D1238, ISO 1133
250°C/2.16 kg	9.0	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow: 3.20mm	0.10	%	ASTM D955
Transverse flow: 3.20mm	0.10	%	ASTM D955
Lateral flow: 3.20mm	0.10	%	ISO 2577
Traffic: 3.20mm	0.10	%	ISO 2577
Ash Content			
--	14	%	ASTM D5630
--	14	%	ISO 3451
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
Class r	120		ASTM D785
R scale	120		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	3900	MPa	ASTM D638
--	4000	MPa	ISO 527-2/5
Tensile Strength			
Yield ²	88.0	MPa	ASTM D638
Yield	90.0	MPa	ISO 527-2/5
Fracture ³	88.0	MPa	ASTM D638
Fracture	90.0	MPa	ISO 527-2/5

Tensile Elongation			
Fracture ⁴	3.0	%	ASTM D638
Fracture	3.0	%	ISO 527-2/5
Flexural Modulus ⁵			
--	4400	MPa	ASTM D790
--	4500	MPa	ISO 178
Flexural Strength ⁶	120	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁷ (23°C)	8.0	kJ/m ²	ISO 179/1eA
Notched Izod Impact			
23°C, 3.18 mm	79	J/m	ASTM D256
23°C, 6.35 mm	79	J/m	ASTM D256
23°C ⁸	8.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, unannealed, 6.40mm	93.0	°C	ASTM D648
0.45 MPa, unannealed, 4.00mm	93.0	°C	ISO 75-2/B
1.8 MPa, unannealed, 6.40mm	90.0	°C	ASTM D648
1.8 MPa, not annealed, 4.00mm	90.0	°C	ISO 75-2/A
Vicat Softening Temperature	95.0	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.5 mm	V-1		UL 94
2.0 mm	V-0		UL 94
2.5 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.	2.8 mm/min		
7.	Thickness: 4mm		
8.	Thickness: 4mm		

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