

Infino LM-1090

Polycarbonate + ABS

LOTTE ADVANCED MATERIALS CO., LTD.

Message:

Infino LM-1090 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.

Features include:

flame retardant/rated flame

Flame Retardant

General Information			
UL YellowCard	E115797-101340870		
Features	Flame retardancy		
Physical	Nominal Value	Unit	Test Method
Specific Gravity (Natural)	1.20	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR)			ASTM D1238, ISO 1133
220°C/10.0 kg	58	g/10 min	ASTM D1238, ISO 1133
250°C/2.16 kg	25	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow: 3.20mm	0.60 - 0.70	%	ASTM D955
Transverse flow: 3.20mm	0.60	%	ASTM D955
Traffic: 3.20mm	0.60	%	ISO 2577
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
Class r	122		ASTM D785
R scale	122		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	2200	MPa	ASTM D638
--	2100	MPa	ISO 527-2/50
Tensile Strength			
Yield ²	66.0	MPa	ASTM D638
Yield	60.0	MPa	ISO 527-2/50
Fracture ³	59.0	MPa	ASTM D638
Fracture	600	MPa	ISO 527-2/50
Tensile Elongation			
Fracture ⁴	60	%	ASTM D638
Fracture	60	%	ISO 527-2/50
Flexural Modulus ⁵			
--	2600	MPa	ASTM D790
--	2350	MPa	ISO 178

Flexural Strength ⁶			
--	96.0	MPa	ASTM D790
--	85.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁷ (23°C)	5.0	kJ/m ²	ISO 179/1eA
Notched Izod Impact			
23°C, 3.18 mm	69	J/m	ASTM D256
23°C, 6.35 mm	49	J/m	ASTM D256
23°C ⁸	5.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, unannealed, 4.00mm	100	°C	ISO 75-2/B
1.8 MPa, unannealed, 6.40mm	87.0	°C	ASTM D648
1.8 MPa, not annealed, 4.00mm	87.0	°C	ISO 75-2/A
Vicat Softening Temperature	100	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.5 mm	V-1		UL 94
3.0 mm	V-0		UL 94
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	50 mm/min		
4.	50 mm/min		
5.	2.8 mm/min		
6.	2.8 mm/min		
7.	Thickness: 4mm		
8.	Thickness: 4mm		

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