

Infino GW-1029

Polycarbonate

LOTTE ADVANCED MATERIALS CO., LTD.

Message:

Infino GW-1029 is a polycarbonate (PC) 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. The main characteristics are: flame retardant/rated flame.

General Information			
UL YellowCard	E115797-101041319		
Features	General		
Uses	Mobile phone		
Physical	Nominal Value	Unit	Test Method
Specific Gravity (Natural)	1.18	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/10.0 kg)	19	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
Class r	116		ASTM D785
R scale	116		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	58.0	MPa	ASTM D638
Yield	60.0	MPa	ISO 527-2/50
Flexural Modulus			
-- ²	2000	MPa	ASTM D790
-- ³	1980	MPa	ISO 178
Flexural Strength			
-- ⁴	82.0	MPa	ASTM D790
-- ⁵	81.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁶ (23°C)	91	kJ/m ²	ISO 179/1eA
Notched Izod Impact			
23°C, 6.35 mm	550	J/m	ASTM D256
23°C ⁷	65	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	124	°C	ASTM D648
Vicat Softening Temperature	139	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
0.8 mm	HB		UL 94

1.5 mm	HB	UL 94
3.0 mm	HB	UL 94
NOTE		
1.	50 mm/min	
2.	2.8 mm/min	
3.	2.0 mm/min	
4.	2.8 mm/min	
5.	2.0 mm/min	
6.	Thickness: 4mm	
7.	Thickness: 4mm	

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