

Infino TP-1029

Polycarbonate

LOTTE ADVANCED MATERIALS CO., LTD.

Message:

Infino TP-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 appliances.
Features include:
flame retardant/rated flame
Flame Retardant

General Information			
UL YellowCard	E115797-219714		
Features	Flame retardancy		
Uses	Electrical appliances		
Physical	Nominal Value	Unit	Test Method
Specific Gravity (Natural)	1.20	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	11	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow: 3.20mm	0.50 - 0.62	%	ASTM D955
Transverse flow: 3.20mm	0.53 - 0.65	%	ASTM D955
Lateral flow: 3.20mm	0.53 - 0.65	%	ISO 2577
Traffic: 3.20mm	0.50 - 0.62	%	ISO 2577
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	63.0	MPa	ASTM D638
Yield	63.0	MPa	ISO 527-2/50
Flexural Modulus			
-- ²	2200	MPa	ASTM D790
-- ³	2260	MPa	ISO 178
Flexural Strength			
-- ⁴	83.0	MPa	ASTM D790
-- ⁵	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	880	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed, 4.00 mm)	125	°C	ISO 75-2/A
Vicat Softening Temperature	142	°C	ISO 306/B50
Flammability	Nominal Value	Test Method	
Flame Rating		UL 94	

0.8 mm	V-2	UL 94
3.0 mm	V-2	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	

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