

Infino WP-1059

Polycarbonate + ABS

LOTTE ADVANCED MATERIALS CO., LTD.

Message:

Infino WP-1059 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: automotive industry.

General Information			
Features	General		
Uses	Application in Automobile Field		
Physical	Nominal Value	Unit	Test Method
Specific Gravity (Natural)	1.12	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/10.0 kg)	45	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
Class r	112		ASTM D785
R scale	112		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	53.0	MPa	ASTM D638
Yield	54.0	MPa	ISO 527-2/50
Flexural Modulus			
-- ²	2100	MPa	ASTM D790
-- ³	2250	MPa	ISO 178
Flexural Strength			
-- ⁴	74.0	MPa	ASTM D790
-- ⁵	75.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁶ (23°C)	45	kJ/m ²	ISO 179/1eA
Notched Izod Impact			
23°C, 3.18 mm	470	J/m	ASTM D256
23°C ⁷	45	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, unannealed, 4.00mm	115	°C	ISO 75-2/B
1.8 MPa, unannealed, 6.40mm	105	°C	ASTM D648
Injection	Nominal Value	Unit	Test Method
Drying Temperature			
--	80	°C	
Hot air dryer	80	°C	

Drying Time		
--	2.0 - 6.0	hr
Hot air dryer	2.0 - 4.0	hr
Suggested Max Moisture	< 0.050	%
Rear Temperature	220 - 230	°C
Middle Temperature	240 - 250	°C
Front Temperature	260 - 270	°C
Nozzle Temperature	270	°C
Mold Temperature	50 - 70	°C
Injection Pressure	68.6	MPa
Back Pressure	0.490 - 1.96	MPa
Screw Speed	50 - 150	rpm

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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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

