Infino WP-1069

Polycarbonate + ABS

SAMSUNG SDI CO., LTD.

Message:

Infino WP-1069 is a Polycarbonate + ABS (PC+ABS) product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

General Information			
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.13	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/10.0 kg)	47	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			ASTM D955, ISO 2577
Flow : 3.20 mm	0.50 to 0.70	%	
Across Flow : 3.20 mm	0.50 to 0.70	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	116		ASTM D785, ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus [1]	2000	MPa	ASTM D638
Tensile Strength			
Yield [2]	57.0	MPa	ASTM D638
Yield	58.0	MPa	ISO 527-2/50
Break [3]	55.0	MPa	ASTM D638
Tensile Elongation [4] (Break)	80	%	ASTM D638
Flexural Modulus			
-- [5]	2200	MPa	ASTM D790
-- [6]	2300	MPa	ISO 178
Flexural Strength			
-- [7]	78.0	MPa	ASTM D790
-- [8]	82.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength [9] (23°C)	48	kJ/m²	ISO 179/1eA
Notched Izod Impact			
-30°C, 3.18 mm	390	J/m	ASTM D256
-30°C, 6.35 mm	200	J/m	ASTM D256
23°C, 3.18 mm	570	J/m	ASTM D256
23°C, 6.35 mm	420	J/m	ASTM D256
23°C [10]	44	kJ/m²	ISO 180/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Annealed	126	°C	ISO 75-2/B

1.8 MPa, Unannealed, 6.40 mm	111	°C	ASTM D648
1.8 MPa, Annealed, 4.00 mm	114	°C	ISO 75-2/A
Vicat Softening Temperature	123	°C	ISO 306/B50
CLTE			ISO 11359-2
Flow : 40 to 100°C	8.2E-5	cm/cm/°C	
Transverse : 40 to 100°C	8.3E-5	cm/cm/°C	

Injection	Nominal Value	Unit
Drying Temperature		
--	80.0	°C
Desiccant Dryer	80.0	°C
Drying Time		
--	4.0 to 6.0	hr
Desiccant Dryer	2.0 to 4.0	hr
Suggested Max Moisture	< 0.050	%
Rear Temperature	220 to 230	°C
Middle Temperature	240 to 250	°C
Front Temperature	260 to 270	°C
Nozzle Temperature	270	°C
Mold Temperature	50.0 to 70.0	°C
Injection Pressure	147	MPa
Back Pressure	0.490 to 1.96	MPa
Screw Speed	50 to 150	rpm

NOTE	
1.	50 mm/min
2.	50 mm/min
3.	50 mm/min
4.	50 mm/min
5.	2.8 mm/min
6.	2.0 mm/min
7.	2.8 mm/min
8.	2.0 mm/min
9.	Thickness: 4 mm
10.	Thickness: 4 mm

Recommended distributors for this material

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