

Infino SC-1220UR

Polycarbonate
SAMSUNG SDI CO., LTD.

Message:

Infino SC-1220UR is a Polycarbonate (PC) product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary characteristic: good uv resistance.

General Information			
UL YellowCard	E115797-100059837		
Features	Good UV Resistance		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	20	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale	120		ASTM D785
R-Scale	125		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	2300	MPa	ASTM D790
-- ³	2260	MPa	ISO 178
Flexural Strength			
-- ⁴	90.0	MPa	ASTM D790
-- ⁵	90.0	MPa	ISO 178
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	140	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature			
--	80.0	°C	
Desiccant Dryer	80.0	°C	
Drying Time			
--	4.0 to 6.0	hr	
Desiccant Dryer	3.0 to 4.0	hr	
Suggested Max Moisture	0.040	%	
Rear Temperature	100 to 260	°C	

Middle Temperature	270	°C
Front Temperature	270 to 280	°C
Nozzle Temperature	280	°C
Mold Temperature	80.0 to 110	°C
Injection Pressure	98.1	MPa
Back Pressure	0.981 to 1.96	MPa
Screw Speed	30 to 50	rpm

NOTE

1.	5.0 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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