

ISO Property

INFINO.	Grade	HN-3204
	Resin Type	PC/GF 20%

Item	Measuring Method	Condition	Unit	Value
Physical				
Density	ISO 1183	Natural or representative color	-	1.35
Melt Flow Index	ISO 1133	300°C / 1.2kg	g/10min	9
Molding Shrinkage(TD)	ISO 294-4	Across Flow Direction	%	0.3-0.5
Molding Shrinkage(TD)	ISO 294-4	Flow Direction	%	0.3-0.5
Water Absorption	LAM Method	Saturaiton, 23°C	%	≤ 0.3
Water Absorption	LAM Method	Equilibrium, 23°C, 50%RH	%	≤ 0.12
Mechanical				
Tensile Modulus	ISO 527	5mm/min	Mpa	5500
Flexural Modulus	ISO 178	2mm/min	Mpa	5400
Thermal				
Heat Deflection Temperature (unannealed)	ISO 75-2	1.8MPa, 4.0mm	°C	138
Ball Pressure Test	IEC 60695-10-2 by LAM	Pass	°C	125
Thermal Conductivity	ATDM D5470	-	W/m/K	0.25
RTI Elec	by LAM	1.5mm	°C	125
RTI Imp	by LAM	1.5mm	°C	105
RTI Str	by LAM	1.5mm	°C	120
* The RTI value By LAM above is based on the internal test result of 500 hrs.				
Electrical				
Surface Resistivity	IEC 60093	-	Ohms	≥ 1E+16
Volume Resistivity	IEC 60093	-	Ohms-cm	≥ 1E+17
Electric Strength	IEC 60243-1	1.0mm	kV/mm	≥ 30
Flammability				
Flame Rating	UL94 by LAM	1.0mm	-	V-2
Glow Wire Flammability Index	IEC 60695-2-12 by LAM	1.0mm	°C	960

1. The value above is the representative value of the NP or representative color and may have deviation. It can only be used for selecting materials.
2. The value above shall not be regarded as a material specification and cannot be used for molding designs.

Information inserted in this document such as data, statements, representative values, etc. are provided solely for customer convenience. It does not expressly or impliedly guarantee anything regarding the safety or practicability of the (1) materials, (2) products, and/or (3) design that utilizes recommendations or proposals, of Samsung SDI Chemical. Furthermore, nothing in the contents of this document shall have any legal binding effect, and especially, the representative value is simply for reference and is not a minimum value that has legal binding effect. Whether materials and/or products of Samsung SDI Chemical and/or a design that uses or utilizes Samsung SDI Chemical's recommendations or proposals are (is) compatible with individual uses shall be determined solely by each user and such user shall be solely responsible for any results, including but not limited to, any and all loss and damages incurred due to such uses. Users must implement and verify all testing and analyses for proving the safety and compatibility of final products that have been created or altered by using Samsung SDI Chemical's materials or products. The data and values inserted and/or contained in this document may be changed due to quality improvement of the product without any prior notification.

