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℃ / 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℃	%	≤ 0.3
Water Absorption	LAM Method	Equilibrium, 23℃, 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	℃	138
Ball Pressure Test	IEC 60695-10-2 by LAM	Pass	℃	125
Thermal Conductivity	ATDM D5470	-	W/m/K	0.25
RTI Elec	by LAM	1.5mm	℃	125
RTI Imp	by LAM	1.5mm	℃	105
RTI Str	by LAM	1.5mm	℃	120
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	℃	960

* The RTI value By LAM above is based on the internal test result of 500 hrs.

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.