LOTTE CHEMICAL

ISO Property

INFINO	Grade	AE-2130
	Resin Type	PC/PET

Automotive

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ISO 1183	Natural or representative color	-	1.23
Melt Flow Index	ISO 1133	260℃, 5kg	g/10min	21
Melt Flow Index	ISO 1133	250℃, 2.16kg	g/10min	2.8
Mold Shrinkage(MD)	ISO 294-4	Flow at 2mm(MD)	%	0.4-0.7
Mold Shrinkage(TD)	ISO 294-4	X-Flow at 2mm(TD)	%	0.4-0.7
ASH content	ISO 3451	-	%	4
Mechanical				
Tensile Strength at Yield	ISO 527	50mm/min	MPa	56
Tensile Strain at break	ISO 527	50mm/min	%	90
Tensile Modulus	ISO 527	50mm/min	MPa	2400
Tensile Strength at break	ISO 527	50mm/min	MPa	55
Flexural Strength	ISO 178	2mm/min	MPa	82
Flexural Modulus	ISO 178	2mm/min	MPa	2400
Izod Impact Strength(notched)	ISO 180 1A	at 23°C, 4mm	kJ/㎡	38
Charpy Impact Strength(V-notched)	ISO 179 1eA	at 23°C, 4mm	kJ/㎡	33
Rockwell Hardness	ISO 2039-2	R-Scale	-	111
Thermal				
Heat Deflection Temperature(Unannealed)	ISO 75-2	1.8MPa, 4.0mm	°C	98
Heat Deflection Temperature(Unannealed)	ISO 75-2	0.45MPa, 4.0mm	°C	120
Heat Deflection Temperature(Annealing)	ISO 75-2	1.8MPa, 4.0mm	°C	112
Heat Deflection Temperature(Annealing)	ISO 75-2	0.45MPa, 4.0mm	°C	125

VICAT Softening Temperatur	ISO 306	B/50	˚C	132

1. The above figures are the representative values based on NP, which may vary from color to color, and can be used as a reference only for the purpose of selecting materials.
2. The above figures are basic guidelines for selecting materials; therefore, they are not regarded as the official specifications for materials involved, and cannot be used for the purpose of designing a mold.
3. The above values can be adjusted in accordance with processing conditions, and the specific change in value is allowed only within a limited range in which adjustment has no adverse or negative impact on the final product.

※ The last update date : 07/27/2017