DATASHEET COMPARISON

ISO Property

LOTTE CHEMICAL

INFINO	Grade	SC-1100UR
	Resin Type	PC

E&E, General, UV Stabilized

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ISO 1183	Natural or representative	-	1.2
Melt Flow Index	ISO 1133	300°C, 1.2kg	g/10min	11.5
Mold Shrinkage(MD)	ISO 294-4	Flow at 2mm(MD)	%	0.5~0.7
Mold Shrinkage(TD)	ISO 294-4	X-Flow at 2mm(TD)	%	0.5~0.7
Mold Shrinkage(MD)	ISO 2577	Flow at 3.2mm(MD)	%	0.5~0.7
Mold Shrinkage(TD)	ISO 2577	X-Flow at 3.2mm(TD)	%	0.5~0.7
Mechanical				
Tensile Strength at Yield	ISO 527	50mm/min	MPa	64
Tensile Strain at break	ISO 527	50mm/min	%	110
Tensile Modulus	ISO 527	50mm/min	MPa	2300
Tensile Strength at Break	ISO 527	50mm/min	MPa	64
Flexural Strength	ISO 178	2mm/min	MPa	92
Flexural Modulus	ISO 178	2mm/min	MPa	2300
Izod Impact Strength (notched)	ISO 180 1A	at 23°C, 4mm	kJ/m2	80
Charpy Impact Strength (V-notched)	ISO 179 1eA	at 23°C, 4mm	kJ/m2	75
Rockwell Hardness	ISO 2039-2	R-scale	-	120
Thermal properties				
Heat Deflection Temperature(Unannealed)	ISO 75-2	1.8MPa, 4.0mm	°C	125
Heat Deflection Temperature(Unannealed)	ISO 75-2	0.45MPa, 4.0mm	°C	137
VICAT Softening Temperature	ISO 306	B/50	°C	146

Flame-retarded				
Flammability	UL94	V-2	mm	0.75~3.0

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.