DATASHEET COMPARISON

ISO Property

LOTTE CHEMICAL

INFINO		
	Grade	EN-1052
	Resin Type	PC

Adaptors

Item	Measuning Method	Condition	Unit	Value
Physical				
Specific Gravity	ISO 1183	Natural or representative	-	1.18
Melt Flow Index	ISO 1133	250°C, 10kg	g/10min	19
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
Mechanical				
Tensile Strength at Yield	ISO 527	50mm/min	MPa	55
Tensile Strain at break	ISO 527	50mm/min	%	109
Tensile Modulus	ISO 527	50mm/min	MPa	2100
Tensile Strength at Break	ISO 527	50mm/min	MPa	67
Flexural Strength	ISO 178	2mm/min	MPa	80
Flexural Modulus	ISO 178	2mm/min	MPa	2100
Izod Impact Strength (notched)	ISO 180 1A	at 23°C, 4mm	kJ/m^2	65
Charpy Impact Strength (V-notched)	ISO 179 1eA	at 23°C, 4mm	kJ/m^2	70
Rockwell Hardness	ISO 2039-2	R-scale	-	120

Thermal properties				
Heat Deflection Temperature(Unannealed)	ISO 75-2	1.8MPa, 4.0mm	°C	121
Heat Deflection Temperature(Unannealed)	ISO 75-2	0.45MPa, 4.0mm	°C	135
VICAT Softening Temperature	ISO 306	B/50	°C	142
RTI, Ele	UL746B	1.5, V-0	°C	130
RTI, Imp	UL746B	1.5, V-0	°C	130
RTI, Str	UL746B	1.5, V-0	°C	130

Flame-retarded				
Flammability	UL94	V-2	mm	0.75
Flammability	UL94	V-0	mm	1.5,3.0

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.

* The last update date
: 2018/03/29