DATASHEET COMPARISON

ISO Property

LOTTE CHEMICAL

ASTM Property | ISO Property

INFINO	Grade	NE-1030
	Resin Type	PC/ABS

TV/Monitor

Item	Measuning Method	Condition	Unit	Value
Physical				
Specific Gravity	ISO 1183	Natural or representative	-	1.18
Melt Flow Index	ISO 1133	220℃, 10kg	g/10min	53
Mechanical				
Tensile Strength at Yield	ISO 527	50mm/min	MPa	60
Tensile Strain at break	ISO 527	50mm/min	%	35
Tensile Modulus	ISO 527	50mm/min	MPa	2500
Tensile Strength at Break	ISO 527	50mm/min	MPa	46
Flexural Strength	ISO 178	2mm/min	MPa	90
Flexural Modulus	ISO 178	2mm/min	MPa	2500
Izod Impact Strength (notched)	ISO 180 1A	at 23°C, 4mm	kJ/m^2	16
Charpy Impact Strength (V-notched)	ISO 179 1eA	at 23°C, 4mm	kJ/m^2	17
Rockwell Hardness	ISO 2039-2	R-scale	-	118
Thermal properties				
Heat Deflection Temperature(Unannealed)	ISO 75-2	1.8MPa, 4.0mm	℃	77
Heat Deflection Temperature(Unannealed)	ISO 75-2	0.45MPa, 4.0mm	℃	90
Heat Deflection Temperature(Annealing)	ISO 75-2	1.8MPa, 4.0mm	℃	85
Heat Deflection Temperature(Annealing)	ISO 75-2	0.45MPa, 4.0mm	℃	93
VICAT Softening Temperature	ISO 306	B/50	℃	93
VICAT Softening Temperature	ISO 306	B/120	℃	95
Flame-retarded				

Flame-retarded				
Flammability	UL94	V-2	mm	1.0
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.

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