

## ISO Property

<b>INFINO</b>	Grade	HP-1000XA
	Resin Type	PC/ABS

General, Automotive

Item	Measuring Method	Condition	Unit	Value
<b>Physical</b>				
Specific Gravity	ISO 1183	Natural or representative color	-	1.13
Melt Flow Index	ISO 1133	250°C, 10kg	g/10min	27
Mold Shrinkage(MD)	ISO 2577	Flow at 3.2mm(MD)	%	0.4~0.7
Mold Shrinkage(TD)	ISO 2577	X-Flow at 3.2mm(TD)	%	0.4~0.7
<b>Mechanical</b>				
Tensile Strength at Yield	ISO 527	50mm/min	MPa	50
Tensile Strain at break	ISO 527	50mm/min	%	100
Tensile Modulus	ISO 527	50mm/min	MPa	2000
Tensile Strength at break	ISO 527	50mm/min	MPa	53
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 <sup>2</sup>	45
Charpy Impact Strength (V-notched)	ISO 179 1eA	at 23°C, 4mm	KJ/m <sup>2</sup>	49
Rockwell Hardness	ISO 2039-2	R-scale	-	113
<b>Thermal</b>				
Heat Deflection Temperature(Unannealed)	ISO 75-2	1.8MPa, 4.0mm	°C	102
Heat Deflection Temperature(Unannealed)	ISO 75-2	0.45MPa, 4.0mm	°C	123
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 Temperature	ISO R 306	B/50	°C	123
VICAT Softening Temperature	ISO R 306	B/120	°C	125

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.

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