

INFINO	Grade	HP-1000XA
	Resin Type	PC/ABS

General, Automotive

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ASTM D792	Natural or representative color	-	1.13
Melt Flow Index	ASTM D1238	250°C, 10kg	g/10min	27
Mold Shrinkage(MD)	ASTM D955	Flow at 3.2mm(MD)	%	0.4~0.7
Mold Shrinkage(TD)	ASTM D955	X-Flow at 3.2mm(TD)	%	0.4~0.7
Mechanical				
Tensile Strength at Yield	ASTM D638	50mm/min	MPa	54
Tensile Strain at break	ASTM D638	50mm/min	%	100
Tensile Modulus	ASTM D638	50mm/min	MPa	2000
Tensile Strength at break	ASTM D638	50mm/min	MPa	59
Flexural Strength	ASTM D790	2.8mm/min	MPa	74
Flexural Modulus	ASTM D790	2.8mm/min	MPa	2000
Izod Impact Strength(notched)	ASTM D256	1/4 inch at 23°C	J/m	440
Izod Impact Strength(notched)	ASTM D256	1/8 inch at 23°C	J/m	590
Rockwell Hardness	ASTM D785	R-Scale	-	113
Thermal				
Heat Deflection Temperature	ASTM D648	18.56kgf/cm ² , 6.4mm	°C	110
VICAT Softening Temperature	ISO 306	B/50	°C	123

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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