

## ASTM Property

<b>INFINO</b>	Grade	GC-1022U
	Resin Type	PC

Adaptors

Item	Measuring Method	Condition	Unit	Value
<b>Physical</b>				
Specific Gravity	ASTM D792	Natural or representative color	-	1.18
Melt Flow Index	ASTM D1238	250°C, 10kg	g/10min	18
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
<b>Mechanical</b>				
Tensile Strength at Yield	ASTM D638	50mm/min	kgf/cm <sup>2</sup>	590
Tensile Strain at break	ASTM D638	50mm/min	%	100
Tensile Modulus	ASTM D638	50mm/min	kgf/cm <sup>2</sup>	20000
Tensile Strength at break	ASTM D638	50mm/min	kgf/cm <sup>2</sup>	600
Flexural Strength	ASTM D790	2.8mm/min	kgf/cm <sup>2</sup>	800
Flexural Modulus	ASTM D790	2.8mm/min	kgf/cm <sup>2</sup>	21000
Izod Impact Strength(notched)	ASTM D256	1/8 inch at 23°C	kgf-cm/cm	60
Rockwell Hardness	ASTM D785	R-Scale	-	120
<b>Thermal</b>				
Heat Deflection Temperature	ASTM D648	18.56kgf/cm <sup>2</sup> , 6.4mm	°C	127
VICAT Softening Temperature	ISO 306	B/50	°C	142
<b>Flammability</b>				
Flammability	UL94	V-2	mm	0.75, 1.0
Flammability	UL94	V-1	mm	1.2
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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