

ASTM Property

INFINO	Grade	HI-1001BP
	Resin Type	PC/ABS

PC/ABS material for plating

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ASTM D792	Natural or representative color	-	1.1
Melt Flow Index	ASTM D1238	250°C, 10kg	g/10min	32
Mechanical				
Tensile Strength at Yield	ASTM D638	50mm/min	kgf/cm ²	550
Tensile Strain at break	ASTM D638	50mm/min	%	110
Tensile Modulus	ASTM D638	50mm/min	kgf/cm ²	21000
Tensile Strength at break	ASTM D638	50mm/min	kgf/cm ²	570
Flexural Strength	ASTM D790	10mm/min	kgf/cm ²	800
Flexural Modulus	ASTM D790	10mm/min	kgf/cm ²	21000
Izod Impact Strength(notched)	ASTM D256	1/4 inch at 23°C	kgf-cm/cm	44
Izod Impact Strength(notched)	ASTM D256	1/8 inch at 23°C	kgf-cm/cm	57
Rockwell Hardness	ASTM D785	R-Scale	-	115
Thermal				
Heat Deflection Temperature	ASTM D648	18.56kgf/cm ² , 6.4mm	°C	102
Heat Deflection Temperature	ASTM D648	4.6kgf/cm ² , 6.4mm	°C	121
VICAT Softening Temperature	ISO R 306	B/50	°C	110

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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