

## ISO Property

<b>INFINO.</b>	Grade	TP-1002
	Resin Type	PC

Item	Measuring Method	Condition	Unit	Value
<b>Physical</b>				
Specific Gravity	ISO 1183	Natural or representative color	-	1.19
Melt Flow Index	ISO 1133		g/10min	29
<b>Mechanical</b>				
Tensile Strength at Yield	ISO 527		MPa	61
Tensile Strain at break	ISO 527		%	98
Tensile Modulus	ISO 527		MPa	2100
Tensile Strength at break	ISO 527		MPa	63
Flexural Strength	ISO 178		MPa	85
Flexural Modulus	ISO 178		MPa	2000
Izod Impact Strength (notched)	ISO 180 1A	at 23°C, 4mm	KJ/m <sup>2</sup>	13
Charpy Impact Strength (V-notched)	ISO 179 1eA	at 23°C, 4mm	KJ/m <sup>2</sup>	17
Rockwell Hardness	ISO 2039-2	R-scale	-	121
<b>Thermal</b>				
Heat Deflection Temperature(Unannealed)	ISO 75-2	1.8MPa, 4.0mm	°C	125
Heat Deflection Temperature(Unannealed)	ISO 75-2	0.45MPa, 4.0mm	°C	140
Heat Deflection Temperature(Annealing)	ISO 75-2	1.8MPa, 4.0mm	°C	127
Heat Deflection Temperature(Annealing)	ISO 75-2	0.45MPa, 4.0mm	°C	140
VICAT Softening Temperature	ISO R 306	B/50	°C	147
VICAT Softening Temperature	ISO R 306	B/120	°C	147

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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