

ISO Property

INFINO.	Grade	TH-1100
	Resin Type	PC

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ISO 1183	Natural or representative color	-	1.2
Melt Flow Index	ISO 1133	250 °C, 10kg	g/10min	17
Mold Shrinkage(MD)	ISO 2577	Flow at 3.2mm(MD)	%	0.49-0.6
Mold Shrinkage(TD)	ISO 2577	X-Flow at 3.2mm(TD)	%	0.51-0.62
Mechanical				
Tensile Strength at Yield	ISO 527	50mm/min	MPa	60
Tensile Strain at break	ISO 527	50mm/min	%	92
Tensile Modulus	ISO 527	50mm/min	MPa	2000
Tensile Strength at break	ISO 527	50mm/min	MPa	60
Flexural Strength	ISO 178	2mm/min	MPa	95
Flexural Modulus	ISO 178	2mm/min	MPa	2400
Rockwell Hardness	ISO 2039-2	R-scale	-	119
Thermal				
Heat Deflection Temperature(Unannealed)	ISO 75-2	1.8MPa, 4.0mm	°C	123
VICAT Softening Temperature	ISO R 306	B/50	°C	144

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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