

ISO Property

INFINO.	Grade	SA-1220N
	Resin Type	PC

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ISO 1183	Natural or representative color	-	1.20
Melt Flow Index	ISO 1133	300 °C, 1.2kg	g/10min	20
Mold Shrinkage(MD)	ISO 2577	Flow at 3.2mm(MD)	%	0.5
Mold Shrinkage(TD)	ISO 2577	X-Flow at 3.2mm(TD)	%	0.7
Mechanical				
Tensile Strength at Yield	ISO 527	50mm/min	MPa	60
Tensile Strain at break	ISO 527	50mm/min	%	65
Tensile Modulus	ISO 527	50mm/min	MPa	2000
Tensile Strength at break	ISO 527	50mm/min	MPa	65
Flexural Strength	ISO 178	2mm/min	MPa	90
Flexural Modulus	ISO 178	2mm/min	MPa	2050
Izod Impact Strength (notched)	ISO 180 1A	at 23°C, 4mm	KJ/m ²	45
Charpy Impact Strength (V-notched)	ISO 179 1eA	at 23°C, 4mm	KJ/m ²	25
Rockwell Hardness	ISO 2039-2	R-scale	-	120
Thermal				
Heat Deflection Temperature(Unannealed)	ISO 75-2	1.8MPa, 4.0mm	°C	120
Heat Deflection Temperature(Unannealed)	ISO 75-2	0.45MPa, 4.0mm	°C	130
VICAT Softening Temperature	ISO R 306	B/50	°C	141
Flammability				
Flammability	UL94	V-2	mm	1.5, 3.0
Glow-Wire Flammability Index	IEC 60695-2-12	1.5mm	°C	960
Glow-Wire Ignition Index	IEC 60695-2-13	1.5mm	°C	850

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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