

## ISO Property | LOTTE Advanced Materials

<b>INFINO</b>	Grade	SA-1220
	Resin Type	PC

General, Switch, Breakers

Item	Measuring Method	Condition	Unit	Value
<b>Physical</b>				
Specific Gravity	ISO 1183	Natural or representative color	-	1.2
Melt Flow Index	ISO 1133	300°C, 1.2kg	g/10min	20
Mold Shrinkage(MD)	ISO 294-4	Flow at 2mm(MD)	%	0.5~0.7
Mold Shrinkage(TD)	ISO 294-4	X-Flow at 2mm(TD)	%	0.5~0.7
<b>Mechanical</b>				
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 <sup>2</sup>	45
Charpy Impact Strength (V-notched)	ISO 179 1eA	at 23°C, 4mm	KJ/m <sup>2</sup>	25
Rockwell Hardness	ISO 2039-2	R-scale	-	120
<b>Thermal</b>				
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 306	B/50	°C	138
<b>Flammability</b>				
Flammability	UL94	V-2	mm	0.75,3.0

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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