

<b>INFINO</b>	Grade	SC-1220R
	Resin Type	PC

Item	Measuring Method	Condition	Unit	Value
<b>Physical</b>				
Specific Gravity	ASTM D792	Natural or representative color	-	1.22
Melt Flow Index	ASTM D1238	300°C, 1.2kg	g/10min	18
Mold Shrinkage(MD)	ASTM D955	Flow at 3.2mm(MD)	%	-
Mold Shrinkage(TD)	ASTM D955	X-Flow at 3.2mm(TD)	%	-
<b>Mechanical</b>				
Tensile Strength at Yield	ASTM D638	50mm/min	MPa	59
Tensile Strain at break	ASTM D638	50mm/min	%	-
Tensile Modulus	ASTM D638	50mm/min	MPa	-
Tensile Strength at break	ASTM D638	50mm/min	MPa	-
Flexural Strength	ASTM D790	10mm/min	MPa	83
Flexural Modulus	ASTM D790	10mm/min	MPa	2200
Izod Impact Strength(notched)	ASTM D256	1/8 inch at 23°C	J/m	690
Rockwell Hardness	ASTM D785	R-Scale	-	-
<b>Thermal</b>				
Heat Deflection Temperature	ASTM D648	18.56kgf/cm <sup>2</sup> , 6.4mm	°C	-
Heat Deflection Temperature	ASTM D648	4.6kgf/cm <sup>2</sup> , 6.4mm	°C	-
VICAT Softening Temperature	ISO R 306	B/50	°C	140

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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