

ASTM Property

INFINO.	Grade	LS-1159
	Resin Type	PC/ABS/GF

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ASTM D792	Natural or representative color	-	1.28
Melt Flow Index	ASTM D1238	250 °C, 2.16kg	g/10min	14
Mold Shrinkage(MD)	ASTM D955	Flow at 3.2mm(MD)	%	0.1
Mold Shrinkage(TD)	ASTM D955	X-Flow at 3.2mm(TD)	%	0.1
ASH Content	ASTM D5630	-	%	15.92
Mechanical				
Tensile Strength at Yield	ASTM D638	5mm/min	kgf/cm ²	900
Tensile Strain at break	ASTM D638		%	3.3
Tensile Modulus	ASTM D638		kgf/cm ²	44000
Tensile Strength at break	ASTM D638		kgf/cm ²	900
Flexural Strength	ASTM D790	2.8mm/min	kgf/cm ²	1300
Flexural Modulus	ASTM D790	2.8mm/min	kgf/cm ²	50000
Izod Impact Strength(notched)	ASTM D256	1/4 inch at 23°C	kgf·cm/cm	5.7
Izod Impact Strength(notched)	ASTM D256	1/8 inch at 23°C	kgf·cm/cm	6.2
Rockwell Hardness	ASTM D785	R-Scale	-	120
Thermal				
Heat Deflection Temperature	ASTM D648	18.56kgf/cm ² , 6.4mm	°C	91
Heat Deflection Temperature	ASTM D648	4.6kgf/cm ² , 6.4mm	°C	96
VICAT Softening Temperature	ISO R 306	B/50	°C	97
Flammability				
Flammability	UL94	V-1	mm	1.5
Flammability	UL94	V-0	mm	2.5/3.0

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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* The last update date : 01/ 24/ 2013

