LOTTE ADVANCED MATERIALS

ASTM Property

INFINO	Grade	HN-1064I
	Resin Type	PC

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ASTM D792	Natural or representative color	-	1.18
Melt Flow Index	ASTM D1238	300℃, 1.2kg	g/10min	9
Melt Flow Index	ASTM D1238	250℃, 10kg	g/10min	18
Mold Shrinkage(MD)	ASTM D955	Flow at 3.2mm(MD)	%	0.4-0.7
Mold Shrinkage(TD)	ASTM D955	X-Flow at 3.2mm(TD)	%	0.4-0.7
Mechanical				
Tensile Strength at Yield	ASTM D638	50mm/min	kgf/cm2	530
Tensile Strain at break	ASTM D638	50mm/min	%	94
Tensile Modulus	ASTM D638	50mm/min	kgf/cm2	19000
Tensile Strength at break	ASTM D638	50mm/min	kgf/cm2	620
Flexural Strength	ASTM D790	2.8mm/min	kgf/cm2	760
Flexural Modulus	ASTM D790	2.8mm/min	kgf/cm2	21000
Izod Impact Strength(notched)	ASTM D256	1/4 inch at 23°C	kgf·cm/cm	55
Izod Impact Strength(notched)	ASTM D256	1/8 inch at 23°C	kgf·cm/cm	70
Rockwell Hardness	ASTM D785	R-Scale	-	118
Thermal				
Heat Deflection Temperature	ASTM D648	18.56kgf/cm2, 6.4mm	°C	126
VICAT Softening Temperature	ISO 306	B/50	°C	142
Flammability				
Flammability	UL94	V-2	mm	0.75
Flammability	UL94	V-0	mm	1.5, 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 : 01/23/2018