

## ASTM Property

<b>INFINO</b>	Grade	NM-1229I
	Resin Type	PC/ABS

TV/Monitor

Item	Measuring Method	Condition	Unit	Value
<b>Physical</b>				
Specific Gravity	ASTM D792	Natural or representative color	-	1.34
Melt Flow Index	ASTM D1238	220°C, 5kg	g/10min	40
Mold Shrinkage(MD)	ASTM D955	Flow at 3.2mm(MD)	%	0.2 ~ 0.5
Mold Shrinkage(TD)	ASTM D955	X-Flow at 3.2mm(TD)	%	0.2 ~ 0.5
ASH content	ASTM D5630	-	%	21
<b>Mechanical</b>				
Tensile Strength at Yield	ASTM D638	5mm/min	kgf/cm <sup>2</sup>	520
Tensile Strain at break	ASTM D638	5mm/min	%	6
Tensile Modulus	ASTM D638	5mm/min	kgf/cm <sup>2</sup>	41000
Tensile Strength at break	ASTM D638	5mm/min	kgf/cm <sup>2</sup>	520
Flexural Strength	ASTM D790	2.8mm/min	kgf/cm <sup>2</sup>	890
Flexural Modulus	ASTM D790	2.8mm/min	kgf/cm <sup>2</sup>	42000
Izod Impact Strength(notched)	ASTM D256	1/4 inch at 23°C	kgf-cm/cm	3.5
Izod Impact Strength(notched)	ASTM D256	1/8 inch at 23°C	kgf-cm/cm	3.0
Rockwell Hardness	ASTM D785	R-Scale	-	-
<b>Thermal</b>				
Heat Deflection Temperature	ASTM D648	18.56kgf/cm <sup>2</sup> , 6.4mm	°C	84.0
Heat Deflection Temperature	ASTM D648	4.6kgf/cm <sup>2</sup> , 6.4mm	°C	-
<b>Flammability</b>				
Flammability	UL94	V-1	mm	1.0
Flammability	UL94	V-0	mm	1.5, 2.0~2.2
Flammability	UL94	5VB	mm	2.0~2.2

1. The above figures are the representative values based on NP, which may vary from color to color, and can be used as a reference only for the purpose of selecting materials.
2. The above figures are basic guidelines for selecting materials; therefore, they are not regarded as the official specifications for materials involved, and cannot be used for the purpose of designing a mold.
3. The above values can be adjusted in accordance with processing conditions, and the specific change in value is allowed only within a limited range in which adjustment has no adverse or negative impact on the final product.

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