

DATASHEET COMPARISON

ASTM Property



ASTM Property

ISO Property



INFINO	Grade	NH-1015V
	Resin Type	PC/ABS

Laptop, Home Appliances

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ASTM D792	Natural or representative color	-	1.17
Melt Flow Index	ASTM D1238	2200, 10kg	g/10min	30
Mold Shrinkage(MD)	ASTM D955	Flow at 3.2mm(MD)	%	0.5 - 0.7
Mold Shrinkage(MD)	ASTM D955	X-Flow at 3.2mm(TD)	%	0.5 - 0.7
Mechanical				
Tensile Strength at Yield	ASTM D638	50mm/min	kgf/cm ²	650
Tensile Strain at break	ASTM D638	50mm/min	%	-
Tensile Modulus	ASTM D638	50mm/min	kgf/cm ²	-
Tensile Strength at break	ASTM D638	50mm/min	kgf/cm ²	-
Flexural Strength	ASTM D790	2.8mm/min	kgf/cm ²	890
Flexural Modulus	ASTM D790	2.8mm/min	kgf/cm ²	24000
Izod Impact Strength(notched)	ASTM D256	1/8 inch at 23°C	kgf-cm/cm	55
Rockwell Hardness	ASTM D785	R-Scale	-	118
Thermal				
Heat Deflection Temperature	ASTM D648	18.56kgf/cm ² , 6.4mm	°C	86
Heat Deflection Temperature	ASTM D648	4.6kgf/cm ² , 6.4mm	°C	-
VICAT Softening Temperature	ISO 306	B/50	°C	100
RTI, Ele	UL 746B	1.5, V-0	°C	90
RTI, Imp	UL 746B	1.5, V-0	°C	85
RTI, Str	UL 746B	1.5, V-0	°C	90
Flammability				

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Flammability	UL94	V-1	mm	1.2, 1.3
Flammability	UL94	V-0	mm	1.5, 2.0, 2.1, 2.5, 3.0
Flammability	UL94	5VA	mm	3.0
Flammability	UL94	5VB	mm	2.0, 2.1, 2.5
Glow-Wire Flammability Index	IEC 60695-2-12	1.0mm	°C	960
Glow-Wire Ignition Index	IEC 60695-2-13	1.0mm	°C	775

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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