

DATASHEET COMPARISON

ASTM Property



ASTM Property

ISO Property



INFINO	Grade	NH-3204G		
	Resin Type	PC/GF		

OA Machine

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ASTM D792	Natural or representative color	-	1.34
Melt Flow Index	ASTM D1238	2500, 10kg	g/10min	36
Mold Shrinkage(MD)	ASTM D955	Flow at 3.2mm(MD)	%	0.2 – 0.5
Mold Shrinkage(MD)	ASTM D955	X-Flow at 3.2mm(TD)	%	0.2 – 0.5
ASH content	ASTM D5630	-	%	20
Mechanical				
Tensile Strength at Yield	ASTM D638	5mm/min	kgf/cm ²	1100
Tensile Strain at break	ASTM D638	5mm/min	%	-
Tensile Modulus	ASTM D638	5mm/min	kgf/cm ²	-
Tensile Strength at break	ASTM D638	5mm/min	kgf/cm ²	-
Flexural Strength	ASTM D790	2.8mm/min	kgf/cm ²	1490
Flexural Modulus	ASTM D790	2.8mm/min	kgf/cm ²	53500
Izod Impact Strength(notched)	ASTM D256	1/8 inch at 23°C	kgf-cm/cm	9.0
Rockwell Hardness	ASTM D785	R-Scale	-	-
Thermal				
Heat Deflection Temperature	ASTM D648	18.56kgf/cm ² , 6.4mm	°C	114.0
Flammability				
Flammability	UL94	V-1	mm	1.5
Flammability	UL94	V-0	mm	2.0, 2.5, 3.0
Flammability	UL94	5VB	mm	2.0, 2.5, 3.0

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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