LOTTE CHEMICAL

ASTM Property

INFINO	Grade	GC-1015 K
	Resin Type	PC/ABS

OA Machine

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ASTM D792	Natural or representative color	-	1.18
Melt Flow Index	ASTM D1238	220℃, 10kg	g/10min	50
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/㎠	600
Tensile Strain at break	ASTM D638	50mm/min	%	50
Tensile Modulus	ASTM D638	50mm/min	kgf/㎠	24000
Tensile Strength at break	ASTM D638	50mm/min	kgf/㎠	420
Flexural Strength	ASTM D790	2.8mm/min	kgf/㎠	900
Flexural Modulus	ASTM D790	2.8mm/min	kgf/㎠	25000
Izod Impact Strength(notched)	ASTM D256	1/4 inch at 23°C	kgf·cm/cm	15
Izod Impact Strength(notched)	ASTM D256	1/8 inch at 23°C	kgf·cm/cm	50
Rockwell Hardness	ASTM D785	R-Scale	-	116
Thermal				
Heat Deflection Temperature	ASTM D648	18.56kgf/㎠, 6.4mm	°C	81
Heat Deflection Temperature	ASTM D648	4.6kgf/㎠, 6.4mm	°C	87
VICAT Softening Temperature	ISO 306	B/50	°C	93
Flammability				
Flammability	UL94	V-0	mm	1.5 ~ 3.0
Flammability	UL94	5VA	mm	3.0
Flammability	UL94	5VB	mm	2.0

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.

※ The last update date : 04/05/2019