

DATASHEET COMPARISON

ASTM Property


ASTM Property

ISO Property



	Grade	VE-1890 K		
	Resin Type			

TV/Monitor

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ASTM D792	Natural or representative color	-	1.15
Melt Flow Index	ASTM D1238	200l, 5kg	g/10min	12.5
Mold Shrinkage(MD)	ASTM D955	Flow at 3.2mm(MD)	%	0.2-0.6
Mold Shrinkage(MD)	ASTM D955	X-Flow at 3.2mm(TD)	%	0.2-0.6
Mechanical				
Tensile Strength at Yield	ASTM D638	20mm/min	kgf/cm ²	200
Flexural Strength	ASTM D790	2.8mm/min	kgf/cm ²	260
Flexural Modulus	ASTM D790	2.8mm/min	kgf/cm ²	16500
Izod Impact Strength(notched)	ASTM D256	1/8 inch at 23°C	kgf-cm/cm	10
Rockwell Hardness	ASTM D785	R-Scale	-	96
Thermal				
Heat Deflection Temperature	ASTM D648	18.56kgf/cm ² , 6.4mm	°C	72
VICAT Softening Temperature	ISO 306	B/50	°C	82
Flammability				
Flammability	UL94	V-1	mm	1.5
Flammability	UL94	V-0	mm	2

- 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.
- 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.
- 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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