

ASTM Property

starex [®]	Grade	VE-1890 K
	Resin Type	HIPS

TV/Monitor

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ASTM D792	Natural or representative color	-	1.15
Melt Flow Index	ASTM D1238	200℃, 5kg	g/10min	12.5
Mold Shrinkage(MD)	ASTM D955	Flow at 3.2mm(MD)	%	0.2-0.6
Mold Shrinkage(TD)	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℃	kgf·cm/cm	10
Rockwell Hardness	ASTM D785	R-Scale	-	96
Thermal				
Heat Deflection Temperature	ASTM D648	18.56kgf/cm ² , 6.4mm	℃	72
VICAT Softening Temperature	ISO 306	B/50	℃	82
Flammability				
Flammability	UL94	V-1	mm	1.5
Flammability	UL94	V-0	mm	2

1. The value above is the representative value of the NP or representative color and may have deviation. It can only be used for selecting materials.
2. The value above shall not be regarded as a material specification and cannot be used for molding designs.

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※ The last update date : 05/13/2014