

ASTM Property

starex	Grade	VH-0800 E
	Resin Type	ABS

Flame-retardant ABS material with the characteristic of fast color that can be used for electric/electronic products etc.

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ASTM D792	Natural Color	-	1.16
Melt Flow Index	ASTM D1238	200°C ,5kg	g/10min	5
Mold Shrinkage	ASTM D955	-	%	0.3-0.6
Mechanical				
Tensile Strength	ASTM D638	5mm/min	kgf/cm ²	400
Flexural Strength	ASTM D790	2.8mm/min	kgf/cm ²	600
Flexural Modulus	ASTM D790	2.8mm/min	kgf/cm ²	22000
IZOD Impact Strength(notched)	ASTM D256	1/4 inch	kgf-cm/cm	20
IZOD Impact Strength(notched)	ASTM D256	1/8 inch	kgf-cm/cm	20
Rockwell Hardness	ASTM D785	R-Scale	-	103
Thermal				
Heat Deflection Temperature	ASTM D648	18.56kgf/cm ²	°C	76
VICAT Softening Temperature	ISO R 306	5kg	°C	85
Flammability				
Flammability	UL94	V-0	mm	1.5, 3.0, 6.0

1. The value above is the representative value of the NP standard 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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