

ISO Property

starex	Grade	VH-0800
	Resin Type	ABS

Flame Retardant, E&E, Home Appliances, Wiring Devices

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ISO 1183	Natural or representative color	-	1.17
Melt Flow Index	ISO 1133	200°C, 5kg	g/10min	5.4
Mold Shrinkage(MD)	ISO 294-4	Flow at 2mm(MD)	%	0.30~0.37
Mold Shrinkage(TD)	ISO 294-4	X-Flow at 2mm(TD)	%	0.33~0.40
Mechanical				
Tensile Strength at Yield	ISO 527	50mm/min	MPa	46
Tensile Strain at break	ISO 527	50mm/min	%	2.6
Tensile Modulus	ISO 527	50mm/min	MPa	2400
Tensile Strength at break	ISO 527	50mm/min	MPa	35
Flexural Strength	ISO D790	2mm/min	MPa	75
Flexural Modulus	ISO D790	2mm/min	MPa	2700
Izod Impact Strength(notched)	ISO 180 1A	at 23°C, 4mm	KJ/m ²	21
Charpy Impact Strength(V-notched)	ISO 180 1A	at 23°C, 4mm	KJ/m ²	20
Rockwell Hardness	ISO 2039-2	R-Scale	-	107
Thermal				
Heat Deflection Temperature(Unannealed)	ISO 75-2	1.8MPa, 4.0mm	°C	70
Heat Deflection Temperature(Unannealed)	ISO 75-2	0.45MPa, 4.0mm	°C	81
Heat Deflection Temperature(Annealing)	ISO 75-2	1.8MPa, 4.0mm	°C	80
Heat Deflection Temperature(Annealing)	ISO 75-2	0.45MPa, 4.0mm	°C	85
VICAT Softening Temperature	ISO 306	B/50	°C	86
VICAT Softening Temperature	ISO 306	B/120	°C	89
Flammability				

Flammability	UL94	V-0	mm	1.5,3.0,6.0mm
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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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