

ASTM Property

storex	Grade	VE-0819F
	Resin Type	ABS

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ASTM D792	Natural or representative color	-	1.18
Melt Flow Index	ASTM D1238	200℃, 5kg	g/10min	8.5
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	5mm/min	kgf/cm ²	400
Tensile Strain at break	ASTM D638	5mm/min	%	30
Tensile Modulus	ASTM D638	5mm/min	kgf/cm ²	25000
Tensile Strength at break	ASTM D638	5mm/min	kgf/cm ²	350
Flexural Strength	ASTM D790	2.8mm/min	kgf/cm ²	600
Flexural Modulus	ASTM D790	2.8mm/min	kgf/cm ²	20000
Izod Impact Strength(notched)	ASTM D256	1/4 inch at 23℃	kgf·cm/cm	11
Izod Impact Strength(notched)	ASTM D256	1/8 inch at 23℃	kgf·cm/cm	17
Rockwell Hardness	ASTM D785	R-Scale	-	104
Thermal				
Heat Deflection Temperature	ASTM D648	18.56kgf/cm ² , 6.4mm	℃	77
Heat Deflection Temperature	ASTM D648	4.6kgf/cm ² , 6.4mm	℃	87
VICAT Softening Temperature	ISO R 306	B/50	℃	91
Flammability				
Flammability	UL94	V-0	mm	2.0

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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