

## ISO Property

starex <sup>®</sup>	Grade	SV-0167
	Resin Type	ABS

Extrusion ABS with the characteristic of high-impact resistance that can be applied to general sheet

Item	Measuring Method	Condition	Unit	Value
<b>Physical</b>				
Specific Gravity	ISO 1183	Natural Color	-	1.03
Melt Flow Index	ISO 1133	220 °C, 10kg	g/10min	5
<b>Mechanical</b>				
Tensile Strength at Yield	ISO 527	50mm	MPa	44
Tensile Elongation at Yield	ISO 527	50mm	%	13
Tensile Modulus	ISO 527		MPa	2000
Tensile Strength at Break	ISO 527	50mm	MPa	33
Flexural Strength	ISO 178	2mm/min	MPa	67
Flexural Modulus	ISO 178	2mm/min	MPa	2200
Charpy Impact Strength (notched)	ISO 179 1eA	4mm at 23°C	KJ/m <sup>2</sup>	36
IZOD Impact Strength (notched)	ISO 180 1A	4mm at 23°C	KJ/m <sup>2</sup>	33
Rockwell Hardness	ISO 2039	R-Scale	-	103
<b>Thermal</b>				
Heat Deflection Temperature	ISO 75-2	1.8MPa	°C	78
Heat Deflection Temperature	ISO 75-2	0.45MPa	°C	92
VICAT Softening Temperature	ISO R 306	B/50	°C	123

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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