

ISO Property

starex[®]

Grade SR-0340M

Resin Type ABS

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ISO 1183	Natural or representative color	-	1.07
Water Absorption	ISO 62	23°C	%	0.05
Melt Flow Index	ISO 1133	220 °C, 10kg	g/10min	2.5
Mechanical				
Tensile Strength at Yield	ISO 527	50mm/min	MPa	420
Tensile Strain at break	ISO 527	50mm/min	%	14
Flexural Strength	ISO 178	2.8mm/min	MPa	640
Flexural Modulus	ISO 178	2.8mm/min	MPa	22000
Izod Impact Strength (notched)	ISO 180 1A	at 23°C, 4mm	KJ/m ²	14
Charpy Impact Strength (V-notched)	ISO 179 1eA	at 23°C, 4mm	KJ/m ²	13
Rockwell Hardness	ISO 2039-2	R-scale	-	110
Thermal				
Heat Deflection Temperature(Unannealed)	ISO 75-2	1.8MPa, 4.0mm	°C	102
Heat Deflection Temperature(Unannealed)	ISO 75-2	0.45MPa, 4.0mm	°C	115
Heat Deflection Temperature(Annealing)	ISO 75-2	1.8MPa, 4.0mm	°C	110
Heat Deflection Temperature(Annealing)	ISO 75-2	0.45MPa, 4.0mm	°C	116
VICAT Softening Temperature	ISO R 306	B/50	°C	120

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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