ISO Property

starex		
	Grade	SR-0320
	Resin Type	ABS

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ISO 1183	Natural or representative color	-	1.06
Melt Flow Index	ISO 1133	220℃, 10kg	g/10min	7.2
Mold Shrinkage(MD)	ISO 2577	Flow at 3.2mm(MD)	%	-
Mold Shrinkage(TD)	ISO 2577	X-Flow at 3.2mm(TD)	%	-
Mechanical				
Tensile Strength at Yield	ISO 527	50mm/min	MPa	45
Tensile Strain at break	ISO 527	50mm/min	%	22
Tensile Modulus	ISO 527	50mm/min	MPa	2300
Tensile Strength at break	ISO 527	50mm/min	MPa	37
Flexural Strength	ISO 178	2mm/min	MPa	75
Flexural Modulus	ISO 178	2mm/min	MPa	2450
Izod Impact Strength (notched)	ISO 180 1A	at 23°C, 4mm	KJ/m^2	18.2
Charpy Impact Strength (V-notched)	ISO 179 1eA	at 23°C, 4mm	KJ/m^2	16.2
Rockwell Hardness	ISO 2039-2	R-scale	-	109
Thermal				
Heat Deflection Temperature(Unannealed)	ISO 75-2	1.8MPa, 4.0mm	°C	87
Heat Deflection Temperature(Unannealed)	ISO 75-2	0.45MPa, 4.0mm	°C	100
Heat Deflection Temperature(Annealing)	ISO 75-2	1.8MPa, 4.0mm	°C	105
Heat Deflection Temperature(Annealing)	ISO 75-2	0.45MPa, 4.0mm	°C	109
VICAT Softening Temperature	ISO R 306	B/50	°C	107
VICAT Softening Temperature	ISO R 306	B/120	°C	109

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.

※ The last update date : 04/28/2015