

ISO Property

starex [®]	Grade	NH-0825 S
	Resin Type	ABS

OA Machine, Game Device

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ISO 1183	Natural or representative color	-	1.05
Melt Flow Index	ISO 1133	200℃, 5kg	g/10min	6.5
Mold Shrinkage(MD)	ISO 294-4	Flow at 2mm(MD)	%	0.4~0.6
Mold Shrinkage(TD)	ISO 294-4	X-Flow at 2mm(TD)	%	0.4~0.6
Mechanical				
Tensile Strength at Yield	ISO 527	50mm/min	MPa	41
Tensile Strain at break	ISO 527	50mm/min	%	12
Tensile Modulus	ISO 527	50mm/min	MPa	2400
Tensile Strength at break	ISO 527	50mm/min	MPa	34
Flexural Strength	ISO 178	2mm/min	MPa	70
Flexural Modulus	ISO 178	2mm/min	MPa	2400
Izod Impact Strength(notched)	ISO 180 1A	at 23℃, 4mm	kJ/m ²	18
Charpy Impact Strength(V-notched)	ISO 179 1eA	at 23℃, 4mm	kJ/m ²	24
Rockwell Hardness	ISO 2039-2	R-Scale	-	113
Thermal				
Heat Deflection Temperature(Unannealed)	ISO 75-2	1.8MPa, 4.0mm	℃	74
Heat Deflection Temperature(Unannealed)	ISO 75-2	0.45MPa, 4.0mm	℃	87
VICAT Softening Temperature	ISO 306	B/50	℃	93
Flammability				
Flammability	UL94	V-2	mm	0.75/1.5/2.5/3.0

1. The above figures are the representative values based on NP, which may vary from color to color, and can be used as a reference only for the purpose of selecting materials.

2. The above figures are basic guidelines for selecting materials; therefore, they are not regarded as the official specifications for materials involved, and cannot be used for the purpose of designing a mold.
3. The above values can be adjusted in accordance with processing conditions, and the specific change in value is allowed only within a limited range in which adjustment has no adverse or negative impact on the final product.

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