

ISO Property

starex.	Grade	HF-0670 U
	Resin Type	ABS

ltem	Measuring Method	Condition	Unit	Value		
Physical						
Specific Gravity	ISO 1183	Natural or representative color	-	1.04		
Melt Flow Index	ISO 1133	200℃, 5kg	g/10min	3.5		
Mold Shrinkage(MD)	ISO 294-4	Flow at 2mm(MD)	%	0.3 ~ 0.6		
Mold Shrinkage(TD)	ISO 294-4	X-Flow at 2mm(TD)	%	0.3 ~ 0.6		
Mechanical						
Tensile Strength at Yield	ISO 527	50mm/min	MPa	42		
Tensile Strain at break	ISO 527	50mm/min	%	-		
Tensile Modulus	ISO 527	50mm/min	MPa	2300		
Tensile Strength at break	ISO 527	50mm/min	MPa	33		
Flexural Strength	ISO 178	2mm/min	MPa	69		
Flexural Modulus	ISO 178	2mm/min	MPa	2400		
Izod Impact Strength(notched)	ISO 180 1A	at 23°C, 4mm	kJ/m²	18		
Charpy Impact Strength(V-notched)	ISO 179 1eA	at 23°C, 4mm	kJ/m²	21		
Rockwell Hardness	ISO 2039-2	R-Scale	-	109		
Thermal						
Heat Deflection Temperature(Unanneal ed)	ISO 75-2	1.8MPa, 4.0mm	°C	76		
Heat Deflection Temperature(Unanneal ed)	ISO 75-2	0.45MPa, 4.0mm	°C	-		
VICAT Softening Temperatur	ISO 306	B/50	°C	92		

- 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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