

ISO Property

starex.	Grade	WR-9120
	Resin Type	ASA

Building & Construction

ltem	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	17
Mold Shrinkage(MD)	ISO 294-4	Flow at 2mm(MD)	%	0.40~0.49
Mold Shrinkage(TD)	ISO 294-4	X-Flow at 2mm(TD)	%	0.42~0.52
		Mechanical		
Tensile Strength at Yield	ISO 527	50mm/min	MPa	47
Tensile Strain at break	ISO 527	50mm/min	%	18
Tensile Modulus	ISO 527	50mm/min	MPa	2200
Tensile Strength at break	ISO 527	50mm/min	MPa	34
Flexural Strength	ISO 178	2mm/min	MPa	67
Flexural Modulus	ISO 178	2mm/min	MPa	2100
Izod Impact Strength(notched)	ISO 180 1A	at 23°C, 4mm	KJ/m2	11
Charpy Impact Strength(V-notched)	ISO 180 1A	at 23°C, 4mm	KJ/m2	16
Rockwell Hardness	ISO 2039-2	R-Scale	-	106
		Thermal		
Heat Deflection Temperature(Unanneal ed)	ISO 75-2	1.8MPa, 4.0mm	°C	72
Heat Deflection Temperature(Unanneal ed)	ISO 75-2	0.45MPa, 4.0mm	°C	90
Heat Deflection Temperature(Annealin g)	ISO 75-2	1.8MPa, 4.0mm	°C	95
Heat Deflection Temperature(Annealin g)	ISO 75-2	0.45MPa, 4.0mm	°C	99
VICAT Softening Temperatur	ISO 306	B/50	°C	98
		Flammability		
Flammability	UL94	НВ	mm	1.5

- 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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