



starex[®]	Grade	GR-4030
	Resin Type	ABS/GF

Home Appliances

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ISO 1183	Natural or representative	-	1.27
Melt Flow Index	ISO 1133	220l, 10kg	g/10min	5.4
ASH content	ISO 3451	-	%	31
Mechanical				
Tensile Strength at Yield	ISO 527	50mm/min	MPa	105
Tensile Strain at break	ISO 527	50mm/min	%	2.4
Tensile Modulus	ISO 527	50mm/min	MPa	7200
Tensile Strength at Break	ISO 527	50mm/min	MPa	105
Flexural Strength	ISO 178	2mm/min	MPa	150
Flexural Modulus	ISO 178	2mm/min	MPa	8300
Izod Impact Strength (notched)	ISO 180 1A	at 23°C, 4mm	kJ/m ²	10
Charpy Impact Strength (V-notched)	ISO 179 1eA	at 23°C, 4mm	kJ/m ²	8.6
Rockwell Hardness	ISO 2039-2	R-scale	-	112
Thermal properties				
Heat Deflection Temperature(Unannealed)	ISO 75-2	1.8MPa, 4.0mm	°C	103
Heat Deflection Temperature(Unannealed)	ISO 75-2	0.45MPa, 4.0mm	°C	108
VICAT Softening Temperature	ISO 306	B/50	°C	107
VICAT Softening Temperature	ISO 306	B/120	°C	109
Flame-retarded				
Flammability	UL94	HB	mm	1.5,3,0,6,0

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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* The last update date

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