DATASHEET COMPARISON
ASTM Property

LOTTE CHEMICAL

ASTM Property | ISO Property

Metric
SI
American
CHECK

starex	Grade	BF-0930
	Resin Type	MABS

E&E, Home Appliances

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ASTM D792	Natural or representative color	-	1.13
Melt Flow Index	ASTM D1238	220℃, 10kg	g/10min	33
Mold Shrinkage(MD)	ASTM D955	Flow at 3.2mm(MD)	%	0.35~0.43
Mold Shrinkage(MD)	ASTM D955	X-Flow at 3.2mm(TD)	%	0.36~0.45
Mechanical				
Tensile Strength at Yield	ASTM D638	5mm/min	kgf/cm^2	580
Tensile Strain at break	ASTM D638	5mm/min	%	19
Tensile Modulus	ASTM D638	5mm/min	kgf/cm^2	26200
Tensile Strength at break	ASTM D638	5mm/min	kgf/cm^2	420
Flexural Strength	ASTM D790	2.8mm/min	kgf/cm^2	890
Flexural Modulus	ASTM D790	2.8mm/min	kgf/cm^2	26500
Izod Impact Strength(notched)	ASTM D256	1/4 inch at 23°C	kgf·cm/cm	2
Izod Impact Strength(notched)	ASTM D256	1/8 inch at 23°C	kgf·cm/cm	2
Izod Impact Strength(notched)	ASTM D256	1/4 inch at 23°C	kgf·cm/cm	23
Izod Impact Strength(unnotched)	ASTM D256	1/8 inch at 23°C	kgf·cm/cm	25
Rockwell Hardness	ASTM D785	R-Scale	-	118
Pencil Hardness	JIS K 5401	500g	-	2H
Thermal				
Heat Deflection Temperature	ASTM D648	18.56kgf/cm^2, 6.4mm	°C	79
Heat Deflection Temperature	ASTM D648	4.6kgf/cm^2, 6.4mm	°C	89
VICAT Softening Temperature	ISO 306	B/50	°C	94

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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