LOTTE CHEMICAL

ASTM Property

starex	Grade	BF-0670T
	Resin Type	MABS

E&E

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ASTM D792	Natural or representative color	-	1.12
Melt Flow Index	ASTM D1238	220℃, 10kg	g/10min	24.5
Mold Shrinkage(MD)	ASTM D955	Flow at 3.2mm(MD)	%	0.3
Mold Shrinkage(TD)	ASTM D955	X-Flow at 3.2mm(TD)	%	0.3
Mechanical				
Tensile Strength at Yield	ASTM D638	5mm/min	kgf/㎠	500
Tensile Strain at break	ASTM D638	5mm/min	%	18
Tensile Modulus	ASTM D638	5mm/min	kgf/㎠	21200
Tensile Strength at break	ASTM D638	5mm/min	kgf/㎠	370
Flexural Strength	ASTM D790	2.8mm/min	kgf/㎠	680
Flexural Modulus	ASTM D790	2.8mm/min	kgf/㎠	24000
Izod Impact Strength(notched)	ASTM D256	1/4 inch at 23°C	kgf·cm/cm	6.5
Izod Impact Strength(notched)	ASTM D256	1/8 inch at 23°C	kgf·cm/cm	8.0
Rockwell Hardness	ASTM D785	R-Scale	-	114
Pencil Hardness	JIS K 5401	500g	-	F
Thermal				
Heat Deflection Temperature	ASTM D648	18.56kgf/㎠, 6.4mm	°C	80
Heat Deflection Temperature	ASTM D648	4.6kgf/㎠, 6.4mm	°C	90
VICAT Softening Temperature	ISO 306	B/50	°C	92
Flammability				
Flammability	UL94	HB	mm	0.8, 2.0, 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.

※ The last update date : 03/18/2015