

## ASTM Property

starex <sup>®</sup>	Grade	BM-0320 J
	Resin Type	ABS

Automotive

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ASTM D792	Natural or representative color	-	1.04
Water Absorption	ASTM D570	23°C	%	0.3
Melt Flow Index	ASTM D1238	220°C, 10kg	g/10min	4
Mold Shrinkage(MD)	ASTM D955	Flow at 3.2mm(MD)	%	0.3~0.6
Mold Shrinkage(TD)	ASTM D955	X-Flow at 3.2mm(TD)	%	0.4~0.7
Mechanical				
Tensile Strength at Yield	ASTM D638	50mm/min	kgf/cm <sup>2</sup>	430
Tensile Strain at break	ASTM D638	50mm/min	%	25
Tensile Modulus	ASTM D638	50mm/min	kgf/cm <sup>2</sup>	19600
Tensile Strength at break	ASTM D638	50mm/min	kgf/cm <sup>2</sup>	340
Flexural Strength	ASTM D790	2.8mm/min	kgf/cm <sup>2</sup>	590
Flexural Modulus	ASTM D790	2.8mm/min	kgf/cm <sup>2</sup>	19700
Izod Impact Strength(notched)	ASTM D256	1/4 inch at 23°C	kgf·cm/cm	25
Izod Impact Strength(notched)	ASTM D256	1/8 inch at 23°C	kgf·cm/cm	28
Rockwell Hardness	ASTM D785	R-Scale	-	98
Thermal				
Heat Deflection Temperature	ASTM D648	18.56kgf/cm <sup>2</sup> , 6.4mm	°C	93
VICAT Softening Temperature	ISO 306	B/50	°C	104

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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※ The last update date : 12/08/2015