

ASTM Property

starex®	Grade	SR-0325
	Resin Type	ABS

Automotive

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ASTM D792	Natural or representative color	-	1.06
Melt Flow Index	ASTM D1238	220°C, 10kg	g/10min	7.5
Mold Shrinkage(MD)	ASTM D955	Flow at 3.2mm(MD)	%	0.4-0.7
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 ²	500
Tensile Strain at break	ASTM D638	50mm/min	%	20
Tensile Modulus	ASTM D638	50mm/min	kgf/cm ²	23000
Tensile Strength at break	ASTM D638	50mm/min	kgf/cm ²	460
Flexural Strength	ASTM D790	10mm/min	kgf/cm ²	750
Flexural Modulus	ASTM D790	10mm/min	kgf/cm ²	25000
Izod Impact Strength(notched)	ASTM D256	1/4 inch at 23°C	kgf·cm/cm	12.0
Izod Impact Strength(notched)	ASTM D256	1/8 inch at 23°C	kgf·cm/cm	15.0
Rockwell Hardness	ASTM D785	R-Scale	-	115
Thermal				
Heat Deflection Temperature	ASTM D648	18.56kgf/cm ² , 6.4mm	°C	103
Heat Deflection Temperature	ASTM D648	4.6kgf/cm ² , 6.4mm	°C	-
VICAT Softening Temperature	ISO 306	B/50	°C	115

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 : 02/15/2019