

## ASTM Property

starex®	Grade	MR-0500
	Resin Type	MABS

Item	Measuring Method	Condition	Unit	Value
<b>Physical Properties</b>				
Specific Gravity	ASTM D792	Natural Color	-	1.1
Melt Flow Index	ASTM D1238	220°C,10kg	g/10min	3
<b>Mechanical Properties</b>				
Tensile Strength at Yield	ASTM D638	5mm/min	kgf/cm2	460
Flexural Strength	ASTM D790	2.8mm/min	kgf/cm2	680
Flexural Modulus	ASTM D790	2.8mm/min	kgf/cm2	24,000
Izod Impact Strength(notched) 1/4"	ASTM D256	23°C	kgf·cm/cm2	7
Izod Impact Strength(notched) 1/8"	ASTM D256	23°C	kgf·cm/cm2	9
Rockwell Hardness	ASTM D785	R-Scale	-	101
<b>Thermal Properties</b>				
Heat Deflection Temperature	ASTM D648	18.6kgf/cm2, 6.4mm	°C	82
VICAT Softening Temperature	ISO R 306	5kg	°C	88
<b>Optical Properties</b>				
Haze	ASTM D1003		%	3.0
<b>Flammability</b>				
Flammability	UL94	HB	mm	-

1. The value above is the representative value of the NP standard 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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