

ASTM Property

starex	Grade	MR-0130
	Resin Type	ABS

Item	Measuring Method	Condition	Unit	Value
Physical Properties				
Specific Gravity	ASTM D792	Natural Color	-	1.03
Melt Flow Index	ASTM D1238	220°C,10kg	g/10min	25
Mechanical Properties				
Tensile Strength at Yield	ASTM D638	5mm/min	kgf/cm2	420
Flexural Strength	ASTM D790	2.8mm/min	kgf/cm2	600
Flexural Modulus	ASTM D790	2.8mm/min	kgf/cm2	24,000
Izod Impact Strength(notched) 1/4"	ASTM D256	23°C	kgf·cm/cm2	13.5
Izod Impact Strength(notched) 1/8"	ASTM D256	23°C	kgf·cm/cm2	14.5
Rockwell Hardness	ASTM D785	R-Scale	-	104
Thermal Properties				
Heat Deflection Temperature	ASTM D648	18.6kgf/cm2, 6.4mm	°C	86
VICAT Softening Temperature	ISO R 306	5kg	°C	97
Flammability				
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.

Information inserted in this document such as data, statements, representative values, etc. are provided solely for customer convenience. It does not expressly or impliedly guarantee anything regarding the safety or practicability of the (1)materials, (2)products, and/or (3)design that utilizes recommendations or proposals of Cheil Industries. Furthermore, nothing in the contents of this document shall have any legal binding effect, and especially, the representative value is simply for reference and is not a minimum value that has legal binding effect. Whether materials and/or products of Cheil Industries and/or a design that uses or utilizes Cheil Industries' recommendations or proposals are compatible with individual uses shall be determined solely by each user and such user shall be solely responsible for any results, including but not limited to, any and all loss and damages incurred due to such uses. Users must implement and verify all testing and analyses for proving the safety and compatibility of final products that have been created or altered by using Cheil Industries' materials or products. The data and values inserted and/or contained in this document may be changed due to quality improvement of the product without any prior notification.