

ASTM Property

starex [®]	Grade	SD-0170
	Resin Type	ABS

Ultra-high-impact resistant ABS that can be used for helmet, air-conditioner, shoe heel and ski

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ASTM D792	Natural Color	–	1.03
Melt Flow Index	ASTM D1238	220°C, 10kg	g/10min	11.5
Mechanical				
Tensile Strength	ASTM D638	5mm/min	kgf/cm ²	350
Flexural Strength	ASTM D790	2.8mm/min	kgf/cm ²	580
Flexural Modulus	ASTM D790	2.8mm/min	kgf/cm ²	17000
IZOD Impact Strength(notched)	ASTM D256	1/4 inch	kgf·cm/cm	37
Rockwell Hardness	ASTM D785	R-Scale	–	95
Thermal				
Heat Deflection Temperature	ASTM D648	18.56kgf/cm ²	°C	84
VICAT Softening Temperature	ISO R 306	5kg	°C	96
Flammability				
Flammability	UL94	HB	mm	1.5, 3.0

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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