



ABS Sheet

Acrylonitrile Butadiene Styrene

Description

ABS Sheet is an extruded thermoplastic sheet with excellent rigidity, toughness, impact resistance and thermoforming qualities.

ABS is easily machined, drill and route. It can also be machine-finished by filing, grinding, sanding, buffing and polishing.

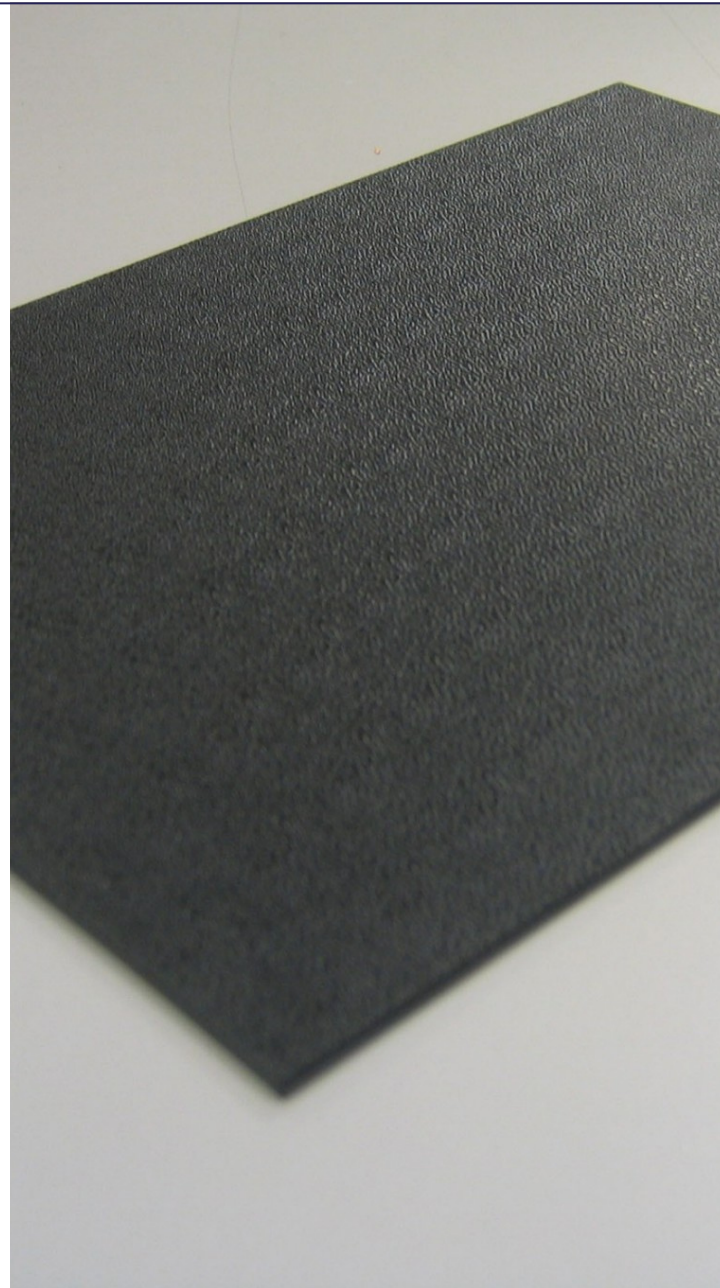
Excellent impact strength makes ABS ideal for fabrication, and it also possesses good chemical and stress-cracking resistance to many salt solutions, alkalis, mineral acids and oils.

Uses

- Vacuum formed trays
- Car interiors
- Fabricated parts or components
- Suitcases and luggage
- Electrical casings

Basic info

- ✓ Extremely thermoformable
- ✓ High impact Strength
- ✓ Good Chemical Resistance
- ✓ Low water absorption





Technical Data

Availability

Colour	Gauge (mm)	Sheet size (mm)
White Haircell	1.50	2440 x 1300
	2.00	
	3.00	
Black Haircell	1.50	2440 x 1300
	3.00	
	4.00	
	6.00	
Black Smooth	1.50	2440 x 1300* Special request only
	2.00	



Technical Properties

Property	Test Method	Units	Result for typical sheet
Specific gravity	D-792		1.08
Tensile modulus	D-638	psi	290,000
Tensile strength @ yield	D-638	psi	4,500
Flexural modulus	D-790	psi	310,000
Flexural strength @ yield	D-790	psi	8,000
Izon impace (notched)	D-256 (73°F) (-20°F)	ft-lbs/in	5.0
		ft-lbs/in	1.4
Heat deflection temperature	D-648 (264 psi unannealed)	°F	190
Coefficient of thermal expansion	D-696	in/in/°F x 10 ⁻⁵	4.2-5.6
Hardness	D-785	Rockwell R	95
Gardner Gloss, 60°	D-523	%	95
Mold Shrinkage		in/in	0.005-0.007
Flammability Ratings	MVSS 302		MVSS 302

*The results of this Data sheet are just for information or comparison purposes only and should be used as a guide. This information is believed to be accurate. It is intended for professional end users who have the skills required to evaluate and use the data properly. Cebelio Holdings LTD. does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.

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