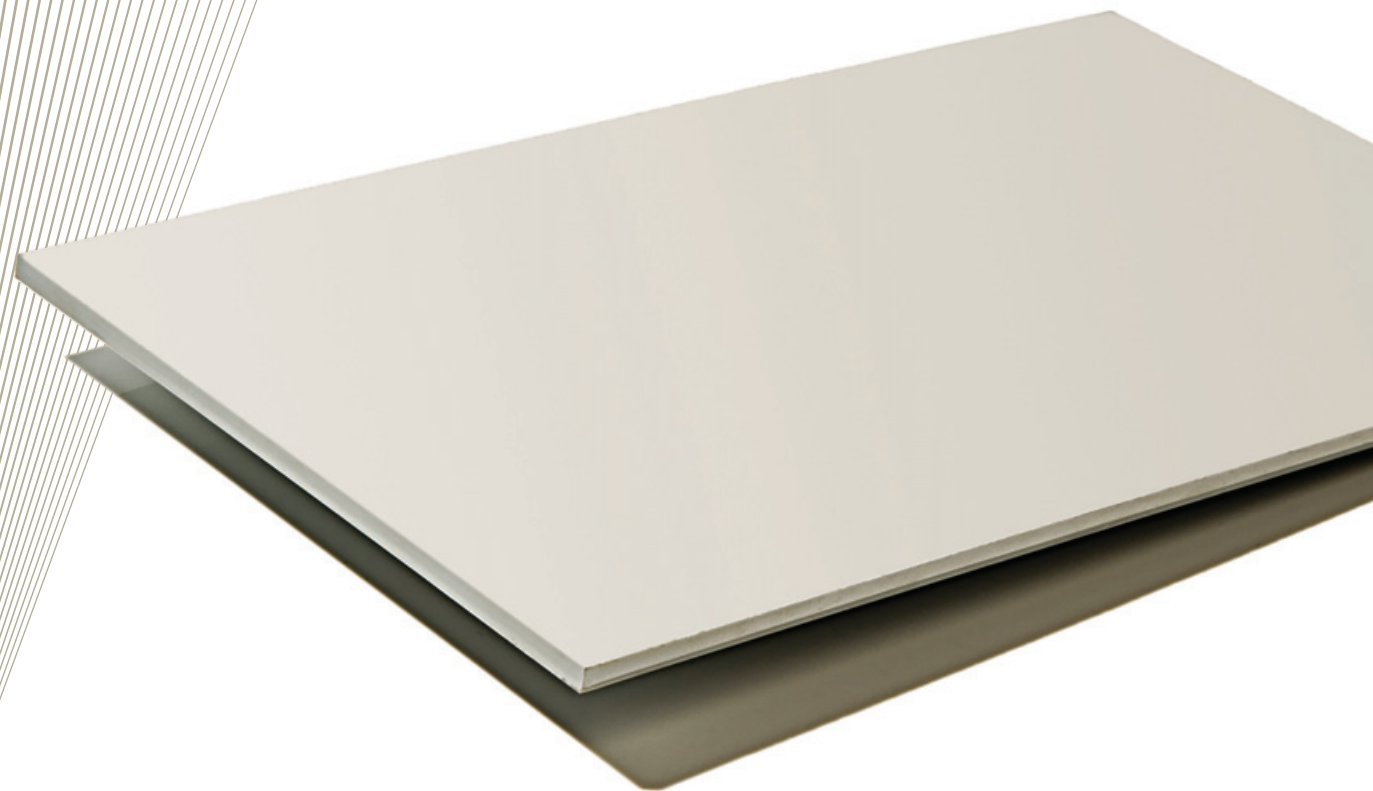
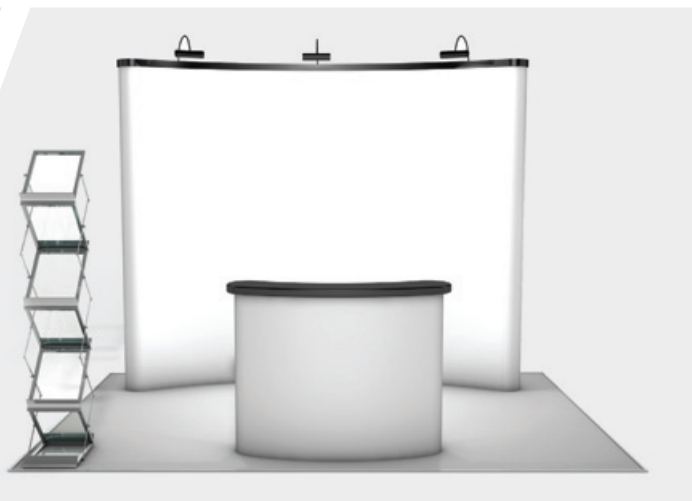


ABS

Acrylonitrile butadiene styrene

ABS, or acrylonitrile butadiene styrene, is a member of the styrene family of polymers. It shares many properties with polystyrene, the main difference being that it is considerably tougher and more resistant to impact, even at temperatures of up to -40°C (for special-grade ABS).





ABS

Stock availability

COLOUR, FINISH & SHEET SIZE (sheet size: length x width in mm)	SHEET THICKNESS (mm)							
	0.6	0.9	1.0	1.5	2.0	3.0	4.0	5.0
ABS								
BLACK SEMI-GLOSS (1600 x 800)		●						
BLACK SEMI-GLOSS (2500 x 1250)			●	●	●	●		
BLACK LEATHER GRAIN (2000 x 1000)						●		
BLACK LEATHER GRAIN (2500 x 1250)				●	●	●		
WHITE SEMI-GLOSS (1600 x 800)		●						
WHITE SEMI-GLOSS (2000 x 1000)		●	●	●	●	●	●	●
WHITE SEMI-GLOSS (2500 x 1250)	●	●	●	●	●	●	●	
YELLOW, RED, BLUE, LIGHT GREEN (1600 x 800)		●						



Key features of ABS

- Impact-resistant, even at low temperatures
- Strong, hard and rigid (rigidity improves as thickness increases)
- Reasonably scratch-resistant
- Creep-resistant
- Highly shock-absorbent (because of the butadiene rubber)
- Easy to vacuum form and process
- Can be printed on, inked or electroplated without requiring Corona treatment
- Can be bonded /glued
- Resistant to environmental stress cracking influences
- Ideal working temperature range: 18°C to 25°C
- Continuous working temperature range: -30°C to 90°C (-40°C to 90°C for special-grade ABS)
- Can be made more UV resistant to reduce likelihood of yellowing
- Can easily be recycled

STOCK IS SUBJECT TO AVAILABILITY. NON-STANDARD SIZES, THICKNESSES AND COLOURS CAN BE MANUFACTURED ON MINIMUM ORDER.

Applications of ABS

- Advertising (eg signage)
- Architectural fittings
- Engineering (eg containers for electrical and electronic devices, cellphone casings)
- Household goods (eg tote bins and trays, toys, luggage, garden furniture, refrigerators and small household appliances, chair backs)
- Medical (eg laboratory equipment)
- Safety equipment (eg protective headgear)
- Transport (eg aircraft interiors, instrument panels, radiator grills, headlight housings and interior trim parts)

