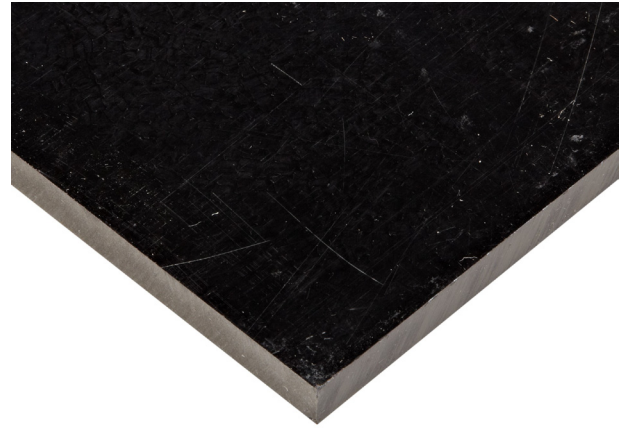


# ABS

## Acrylonitrile Butadiene Styrene



Available in Sheet & Rod

### ABS Overview

ABS plastic is an easily machined, tough, low cost rigid thermoplastic plastic with high impact strength, ideal for turning, drilling, milling, sawing, die-cutting, and shearing. ABS plastics provide a balanced combination of mechanical toughness, wide temperature range, good dimensional stability, chemical resistance, electrical insulating properties, and ease of fabrication. ABS applications are extremely broad, falling between commodity plastics and the engineering resins. ABS fills the property requirement for many parts at a reasonable price.

### ABS Applications

ABS Plastics are easily machined and in thinner gauges easily die cut. Uses are unlimited, but ABS plastics are used for such applications including:

- Panels for refrigerators
- Instrument and equipment cases
- Luggage
- Food trays
- Belt guards
- Covers
- Storage bins
- Plastic figurines

### ABS Features

- Easily machinable
- High impact strength, even at low temperatures
- Low heat conductivity
- Corrosion and abrasion resistant
- Low co-efficient of friction

### ABS Specifications

Tensile Strength	6100 - 6500 PSI
Flexural Strength	10500 - 11000 PSI
Impact Strength, Notched Izod	7.7 Ft-lbs/Inch
Hardness (Rockwell & Burnell)	R105
Deflection Temperature (264 PSI)	203 - 220F
Specific Gravity	1.04

\*Specs accurate at 73°F