

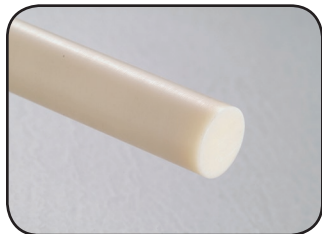
## Productivity

# ABS: A Mechanical Plastic Material with Excellent Dimensional Stability

**Issue:** Prototype houses commonly machine, glue and mold parts. They require a low cost material to machine into a part for performance testing before they spend thousands on an injection molded tool.

**Application:** ABS is commonly recommended for prototyping or modeling.

**Recommendation:** ABS works well for prototyping or modeling because it has excellent dimensional stability and is ideal for turning, milling, sawing and gluing. It is a low cost material that can withstand a high amount of impact.



SKU# 1ZBR8

**AVAILABLE SIZES:**

Rod: 1/4" to 6" diameter,  
 1' to 6' lengths

Sheet: 1/16" to 2" thick  
 12" to 48" widths,  
 12" to 96" lengths

**COLORS:**

Natural (Beige) and Black

\*Custom colors available

### Product Features & Benefits:

ABS is a low cost engineering plastic that is easy to machine and fabricate. It is an ideal material for structural applications where impact resistance, strength, and stiffness are required. It is widely used for machining pre-production prototypes since it has excellent dimensional stability and is easy to paint and glue. ABS is FDA compliant for use in food processing applications.

**ABS Benefits:**

- Excellent dimensional stability
- Excellent impact resistance
- Good machinability
- Excellent aesthetic qualities
- Easy to paint and glue
- Good strength and stiffness
- Good chemical resistance
- Low cost
- FDA compliant grade available

**Common Applications:**

- Machined prototypes
- Structural components
- Support blocks
- Housings
- Covers