



ABS

Characteristics

- * Dimensionally Stable
- * High Impact Strength
- * Easily Glued and Painted
- * FDA Compliant
- * Good Machineability

Description

Known as one of the most popular plastics available **ABS** offers many useful properties, rigidity, impact strength, stability under heated conditions, and chemical resistance. **ABS** is resistant to many acids, alkalines, and alcohol. Its high strength and relative low cost makes it a popular choice for many applications. Often used in structural applications where strength and rigidity are required.

Forms Available

ROD .375 to 6.000 " diameter
 TUBE Custom produced as requested
 PLATE .500" to 2.500" thick
 COLOR Black and White

Typical Property Values

MECHANICAL @ 73°F

		ABS
Specific Gravity		1.04
Tensile Strength	psi	6,000
Tensile Modulus of Elasticity	psi	3.6
Tensile Elongation (at Break)	%	5 -25
Flexural Strength	psi	11,500
Flexural Modulus of Elasticity	psi	3.6
Rockwell Hardness	R Scale	107
Izod Impact Strength, Notched	ft-lbs/in. of notch	4.00

THERMAL

Coefficient of Linear Expansion (-40°F to 300°F)	in./in./°F	4.6
Heat Deflection Temperature @264 psi	°F	184
Melting Point (Crystalline)	°F	

ELECTRICAL

Dielectric Strength, Short Term	Volts/mil	350
Surface Resistivity	Ohms/Sq.	

(Properties listed above are provided for reference only, they should not be used for design specifications or quality control)