

# ABS Flame Retardant

ABS Flame Retardant is an ideal material for structural applications when impact resistance, strength and stiffness are required. ABS Flame Retardant is an economical engineering plastic when flame resistant properties are needed in prototyping.

## Applications

Typical applications include electronic components, power sockets, mobile chargers, earphones, vacuum cleaners, and other consumer product parts.

## Key Product Benefits

- Good Strength and Dimensional Stability
- Cost Effective
- Flame Resistant
- Dielectric Properties

## Properties

Property	Test Method	Value (Imperial)	Value (Metric)
Flexural Modulus	ASTM D790	339,000 psi	2,340 MPa
Flexural Strength @ Yield	ASTM D790	9,700 psi	67 MPa
Izod Impact, Notched	ASTM D256	3.99 ft-lb/in	213 J/m
Tensile Elongation @ Break	ASTM D638	17%	17%
Tensile Elongation @ Yield	ASTM D638	2.4%	2.4%
Tensile Modulus	ASTM D638	298,000 psi	2,060 MPa
Tensile Strength @ Break	ASTM D638	4,400 psi	30 MPa
Tensile Strength @ Yield	ASTM D638	5,400 psi	37 MPa
Heat Deflection Temperature @ 264 psi	ASTM D648	167°F	75°C
Heat Deflection Temperature @ 64 psi	ASTM D648	186°F	86°C
Specific Gravity	ASTM D792	1.19	1.19