

ABS

ABS - Acrylonitrile Butadiene Styrene

ABS is an amorphous terpolymer, combining acrylonitrile, butadiene and styrene. ABS is hard rigid, highly impact resistant and tough even at very low temperatures. Variations in impact strength are derived by adjusting the butadiene content. ABS is frequently alloyed with other thermoplastics to obtain various combinations of impact and temperature resistance. There are many specialty grades including flame retardant and U.V. stabilized. ABS materials are widely used in many appliance, automotive and commercial thermoforming applications - as well as a wide range of applications requiring machined or molded parts that are highly impact resistant.

Tensile Strength / Break - lb/ sq. in.:	6.5 x 10 ³
Dielectric Strength - V / 10-3 in.:	425
Heat Deflection Temperature - 66 lb. / sq. in.:	308 F / 97 C
Elongation % at Break:	35
Comparative Cost:	Low / Moderate