

ABS (Acrylonitrile butadiene styrene) is a low cost engineering plastic that is easy to machine and fabricate. It is best known for its impact strength, rigidity, and overall toughness. This material has good weldability and can be electroplated. It is resistant to very high impact loading and has low distortion under mechanical loads.

GENERAL MATERIAL PROPERTIES*	
Specific gravity ASTM D-792	1.04
Melt flow index ASTM D-1238	1.8 g/10min
Tensile strength ASTM D-638	485 kg/cm ²
Elongation at break ASTM D-638	20%
Flexural strength ASTM D-790	780 kg/cm ²
Flexural modulus ASTM D-790	27000 kg/cm ²
Izod impact strength ASTM D-256	23 kg/cm ²
Heat deflection temperature ASTM D-648	88 °C
VICAT softening temperature ISO R-306	105 °C

APPLICATIONS

Prototypes
 Mockups
 Housings
 Short-run production parts
 Machine guards
 Industrial enclosures

*The above product parameters are to be considered typical product parameters and are not intended to be considered product specifications. Table provided are general and may vary PA-727 TW/TH