

## Prime ABS 750

Our Prime ABS 750 is a general-purpose ABS product. **Polymershapes** offers a wide range of monolayer and co-extruded multilayer ABS (Acrylonitrile-Butadiene-Styrene) sheet products.

**Offers good impact strength, and good hot strength for thermoforming.**

### Customization

Prime ABS 750 is rather easy to thermoform due to its exceptional hot strength. It can be formed on wood, epoxy, ceramic, and/or aluminum tools. The forming temperature has a range of 300 - 350°F. For best results the mold temperature should be 150-190°F. In some cases, it is necessary to dry the sheet before forming.

Prime ABS 750 can be color matched to meet your specific requirements through our vertical integration with Color, Compounding & Additives.

### Sustainability

Prime ABS 750 meets industry sustainability standards and can be recycled as a post-industrial or post-consumer product in many states in the USA.



# Prime ABS 750 | Data Sheet

Prime ABS 750 is an amorphous thermoplastic material and therefore, processes easier than some other thermoplastic materials.

## Applications

Prime ABS 750 may be used for interior applications such as appliance parts, tub/shower surrounds, pick-up truck caps, boat accessories, and automotive trim parts. With the addition of a weatherable cap it may also be used in many outdoor application.

## Finishing

Prime ABS 750 may be joined with machine screws, bolts, nuts, rivets, and spring steel fasteners. Thread cutting or thread-forming screws is an economical means of securing separate joints. Formed parts may be joined with Methylene Chloride if maximum impact strength is not required. Press and snap techniques, and sonic welding may also be used for the bonding of Prime ABS 750.

## Colors, Textures, and Capabilities

Prime ABS 750 is available in thicknesses from .030-.400. Textures include; Calf Grain, HC, RM, Seville, Levant II, FL/HC, and Diamond Plate.

Property	Method	Value	Unit
Specific Gravity	D792	1.04	
Melt Flow	D1238	1.7	g/10min
Rockwell Hardness	D785	102	R Scale
Tensile @ Yield	D638	5,100	psi
Flexural Strength	D790	8,000	psi
Flexural Modulus	D790	270,000	psi
Notched Izod @ 73°F	D256	6.3	ft-lb/in
Notched Izod @ -40°F	D256	2.2	ft-lb/in
Gloss, 60° Angle	D523	90	gu
HDT @ 264 psi	D648	198	°F
Vicat Softening Point	D1525	242	°F

FDA and UL compliant materials available upon request.

Prime ABS 750	Very High	High	Avg.
Impact Strength		*	
Low Temperature Impact Strength			*
Tensile Strength		*	
Flexural Modulus		*	
Heat Deflection Temperature		*	