

Prime ABS 860 FR

Our Prime ABS 860 FR is an ignition resistant ABS with excellent process stability, high practical toughness, and heat distortion temperature.

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

Customization

Prime ABS FR is extremely versatile in nearly all thermoforming operations from high volume, multi-station rotary machines to single station and shuttle presses. Pressure forming techniques have also been highly successful. 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 FR can be color matched to meet your specific requirements through our vertical integration with Primex Color, Compounding & Additives.

Sustainability

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

Primex Sustainability: A better tomorrow, starting today!



Prime ABS 860 FR | Data Sheet

Prime ABS 860 FR has excellent thermoforming characteristics.

Applications

Prime ABS FR may be used for interior applications such as appliance parts, transportation, and electronics.

Finishing

Prime ABS FR 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 ABS.

Colors, Textures, and Capabilities

Prime ABS FR is available in thicknesses from .060-400. Textures include Calf Grain, HC, RM, Seville, Levant II, FL/HC, and Diamond Plate.

Property	Method	Value	Unit
Specific Gravity	D792	1.18	
Melt Flow	D1238	12	g/10min
Rockwell Hardness	D785	98	R Scale
Tensile Strength	D638	5,973	psi
Flexural Strength	D790	7,964	psi
Flexural Modulus	D790	298,683	psi
Notched Izod @ 73°F	D256	3.75	ft-lb/in
Mold Shrinkage	D955	0.3-0.6	%
HDT @ 264 psi	D648	181	°F
Vicat Softening Point	ISO R 306	199	°F

FDA and UL compliant materials available upon request.

Prime ABS 860 FR	Very High	High	Avg.
Impact Strength		*	
Low Temperature Impact Strength			*
Tensile Strength		*	
Flexural Modulus		*	
Heat Deflection Temperature		*	