



General Purpose ABS

General Purpose SP-900 rigid ABS thermoplastics sheet is engineered to meet demanding thermoforming applications. Combining high impact strength with outstanding mechanical properties, SP-900 provides excellent forming detail, rigidity, and gloss. SP-900 offers an economical alternative to Premium High Impact ABS Systems.

Economy SP-932 is a medium impact ABS sheet which provides good physical properties at an economic price. Excellent thermoforming characteristics make SP-932 extremely versatile in nearly all thermoforming operations from high volume, multi-station rotary machines to single station and shuttle presses

- High impact strength, tensile strength with outstanding mechanical properties
- Provides excellent forming detail, rigidity, and gloss
- Extremely versatile in nearly all thermoforming operations from high volume, multi-station rotary machines to single and shuttle presses
- Forming temperatures of approximately 325°F -375°F
- Can be sawed, drilled, routed, punched and die-cut with conventional tooling if proper procedures are followed

Applications:

- Dash Panels
- Material handling systems
- R.V. parts
- Luggage
- Sanitaryware

Sizes: Thicknesses from .040" to .500"

Colors: White, black, standard colors, and custom colors limited only by the imagination

Finishes: Grain patterns available, Deep Levant to Ultra-Fine Matte

Typical Properties	ASTM	SP-900 Value/Unit	SP-932 Value/Unit
Specific Gravity	D792	1.04 g/cc	1.05 g/cc
Tensile Modulus	D638	310,000 psi	290,000 psi
Tensile Strength @ Yield	D638	6,000 psi	4,500 psi
Flexural Modulus	D790	340,000 psi	310,000 psi
Flexural Strength @ Yield	D790	10,000 psi	8,000 psi
Izod Impact Strength	D256 (73°F)	7.5 ft-lbs/in	6 ft-lbs/in
		(-40°F) 2.5 ft-lbs/in	1.4 ft-lbs/in
Falling Dart Impact	D3029 (73°F)	33 ft-lbs/in	19 ft-lbs/in
		(-40°F) 12 ft-lbs/in	8 ft-lbs/in
Heat Deflection Temperature	D648 (264psi unannealed)	198 °F	190 °F
Coefficient of Thermal Expansion	D696	4.1×10^{-5} in/in/°F	5.3×10^{-5} in/in/°F
Hardness	D785	105 Rockwell "R"	105 Rockwell "R"
Flammability	ULSubject 94	HB .062"	HB .062"
Gardner Gloss	D523	98%	95%

FDA compliant ABS available - contact the nearest Branch for information

Los Angeles 800-800-0039
San Diego 858-552-0801
San Jose 800-800-2478
Seattle 800-488-7678
Portland 800-676-7678
Phoenix 800-395-7378
Denver 888-371-7678
Dallas/FtWorth 800-834-9391