



PRELIMINARY PRODUCT DATA SHEET  
**LAST-A-FOAM® FR-4506, FR-4509 Double-Cut Core**



**FR-4506** and **FR-4509 Double-Cut Core** are toughened polyurethane foams intended for use in marine composite panel cores where there is a need to **resin-infuse** laminates in FRP boat molds.

General Plastics' unique manufacturing process ensures consistent foam panel quality, accurate sheet thickness and superb compatibility with all major resin systems. Fine cell-structure and narrow score lines limit resin absorption. Foam material is scored at 1-inch intervals for ease of contour-matching. Scoring is done at 90-degree angles on opposite sides of the sheet, slightly more than half-way through. The intersecting cuts provide a through-path for resin or air-escape.

**FR-4506** and **FR-4509 Double-Cut Core** will not out-gas, or be weakened by styrene-based resins. It is compatible with all core-bedding compounds and laminating resin systems. Priced very competitively, this material offers a good alternative to PVC foams in many applications.

**Double-Cut Core** is recommended for decks, liners, and other structures with flat or slightly-curved surfaces. It is available in 24" x 48" sheets in a variety of thickness dimensions.

PHYSICAL PROPERTY	TEST METHOD	NOMINAL ULTIMATE VALUES	
		FR-4506 Double Cut Core	FR-4509 Double Cut Core
Foam Density, lbs. per cu. Ft.	ASTM D-1622	6.5	8.5
Color	Visual	Light Gray	Pale Green
Compressive Strength, 75°F Parallel to Rise	ASTM D-1621	153 psi	260 psi
Compressive Modulus, 75°F Parallel to Rise	ASTM D-1621	6,247 psi	9,504 psi
Shear Strength, 75°F, Parallel to Rise	ASTM C-273	128 psi	197 psi
Shear Modulus, 75°F, Parallel to Rise	ASTM C-273	1,602 psi	2,148 psi
Shear Elongation at Break	ASTM C-273	40%	40%
Tensile Strength	ASTM D-1623	240 psi	311 psi
Tensile Modulus	ASTM D-1623	17,959 psi	13,666 psi
Maximum Use Temperature, °F		180° F	188° F
Thermal Conductivity, k-factor	ASTM C-273	0.198	0.259
Glass Transition Temperature (Tg)	ASTM C-272	225° F	230° F

For Further Information or Samples, Please Call:  
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