

# LAST-A-FOAM® FR-4600 Microcell Series

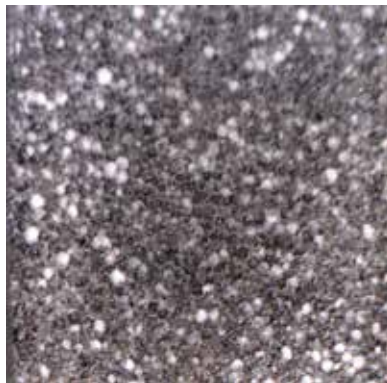


## PRODUCT OVERVIEW

The LAST-A-FOAM® FR-4600 Microcell Series supports the most intricate detail while eliminating extra prep work. With the smoothest surface finish in the LAST-A-FOAM® line, this is excellent for prototypes and models, and precision tooling applications. Advanced microcell technology creates a grain-free, ultra smooth exterior for painted finishes, significantly reducing process time. What's more, its finer cell structure is comparable to higher-density foam products without the added cost and weight.



LAST-A-FOAM® FR-4615



Competitor Foam

*Photos of the foams' surface area taken at the same magnification level.*

## SIZE CHART

Product	Density* (lbs. per cubic foot)	Thickness (max)	Width (inches)	Length (inches)
FR-4615	15	14	60	120
FR-4615	15	24	48	96
FR-4618	18	12	60	120
FR-4618	18	24	48	96
FR-4625	25	18	48	96

*\*More densities are available upon request.*

## BONDING RECOMMENDATION

FR-4600 can be bonded with epoxy or polyurethane adhesives and contact cements. See manufacturer's recommendations for bonding.



## FEATURES AND BENEFITS

- Ultra smooth finish
- Lighter, less abrasive than syntactic boards
- Creates crisp edges and precise details
- Dimensionally stable
- Less priming, painting and finishing
- Special formulation creates shavings, not dust, when machined
- Large sheets up to 60" x 120"
- Custom thickness available

## APPLICATIONS

- 3D Signage
- Prototypes
- Design models
- Master models
- Patterns
- Topographical maps
- Tooling and molds

**Call us at 866.825.1378 today for a quote!**

General Plastics' quality system is certified to AS9100C and ISO 9001:2008, and meets requirements of NQA-1 and MIL-I-45208A.

## PHYSICAL AND THERMAL PROPERTY DATA

	FR-4615	FR-4618	FR-4625	Test Method
Density, lbs./ft <sup>3</sup>	15	18	25	ASTM D-1622
Shore D Hardness	22	36	43	ASTM D-2240
Glass Transition Temperature (T <sub>g</sub> ), °F	225	225	225	ASTM E-1824
Coefficient of Thermal Expansion (CTE), in/in °F	30x10 <sup>-6</sup>			From -40°F to +200°F GP Method
Flexural Strength, psi	716	958	1701	ASTM D-790 Method 1-A
Flexural Modulus, psi	22749	32684	57124	ASTM D-790 Method 1-A
Compressive Strength, psi	498	792	1533	ASTM D-1621
Compressive Modulus, psi	17079	25920	51449	ASTM D-1621
Tensile Strength, psi	460	670	1094	ASTM D-1623 Type A Specimens
Tumbling Friability (% weight loss)	0.4	0.2	0.2	ASTM C-421 (20 min. @ 60 RPM)

This data is subject to revision and changes due to development of and changes to the material. The data is derived from tests and historical usage. The data is averaged data and should be treated as such. Calculations should be verified by actual tests. The data is furnished without liability for the company and does not constitute a warranty or representation in respect to the material or its use. The company reserves the right to release new data sheets in replacement.

General Plastics is certified to ISO 9001:2008/AS9100C and meets such demanding quality systems as NQA-1, Mil-I-45208A, and Boeing Company D6-82479.



Where Great Ideas Take Shape

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**All General Plastics products are manufactured in the United States, and are free of CFCs and VOCs.**

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