

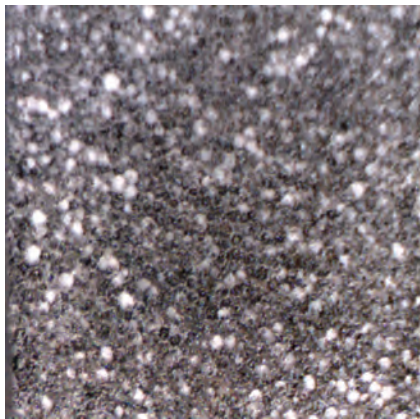
LAST-A-FOAM® FR-4600 MICROCELL SERIES

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. Its 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.

The FR-4600 is ideal for tooling use in low temperature processes, up to 200°F (93°C). It is also an excellent alternative to wood in outdoor signs and displays due to its ultra-smooth surface.



LAST-A-FOAM® FR-4615



Competitor Foam

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

BONDING RECOMMENDATION

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

FEATURES & 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

POTENTIAL APPLICATIONS

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

CERTIFICATIONS & QUALITY SYSTEMS

ISO 9001:2015/AS9100D
NQA-1
Mil-I-45208A
Boeing Company D6-82473
ITAR-Compliant
Nadcap AC7130 Rev C.
Nadcap AC7130/1 Rev A.

PHYSICAL PROPERTY DATA

PROPERTY	UNIT	FR-4610	FR-4615	FR-4618	FR-4625	TEST METHOD
Density	lbs/ft ³	10	15	18	25	ASTM D-1622
	kg/m ³	160	240	288	400	
Compressive Strength (75°F)	psi	240	500	800	1,530	ASTM D-1621
	kPa	1,950	3,450	5,500	10,550	
Tensile Strength	psi	280	460	670	1,100	ASTM D-1623 Type A Specimens
	kPa	1,950	3,150	4,600	7,600	
Flexural Strength	psi	400	700	970	1,500	ASTM D-790 Method 1-A
	kPa	2,750	4,850	6,700	10,300	
Coefficient of Thermal Expansion (CTE)	in/in-°F	30 X 10 ⁻⁶				From -50 to +200°F, GP Method
	m/m-K	54 X 10 ⁻⁶				
Max Use Temperature	°F	200				
	°C	93				

Values shown are parallel to the direction of rise and representative values.

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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. This 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.

For additional physical property data, please contact our technical sales group
at 253.473.5000 or sales@generalplastics.com

STANDARD SHEET SIZES

PRODUCT	HEIGHT in (cm)	WIDTH in (cm)	LENGTH in (cm)
FR-4610	25 (64)	48 (122)	96 (244)
FR-4615	14 (36)	60 (153)	120 (305)
FR-4615	24 (61)	60 (153)	96 (244)
FR-4615	14 (36)	48 (122)	120 (305)
FR-4615	24 (61)	48 (122)	96 (244)
FR-4618	14 (36)	60 (153)	120 (305)
FR-4618	24 (61)	60 (153)	96 (244)
FR-4618	12 (31)	48 (122)	120 (305)
FR-4618	24 (61)	48 (122)	96 (244)
FR-4625	12 (31)	60 (153)	120 (305)
FR-4625	18 (46)	48 (122)	96 (244)



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