



## LAST-A-FOAM® FR-6700 Aerospace Grade Series

FR-6700 Aerospace Grade is a CFC-free, rigid, closed-cell, flame-retardant polyurethane foam available in densities ranging from 10 to 25 pounds per cubic foot. It exhibits a high strength-to-weight ratio because of its cellular structure and cross-linked resin. Its closed-cell structure also makes this rigid polyurethane foam series highly resistant to water absorption, so it will not swell, crack or split on exposure to water. The HDU material is stable, inert and resistant to most chemicals and solvents. It can be easily shaped with common woodworking tools, and it performs well as a wood replacement. To save production time, General Plastics can pre-score FR-6700 boards for liquid resin infusion processes.

FR-6700 is specifically designed to satisfy the physical property, flammability performance and processing requirements of multiple aerospace and military specifications. These include Boeing BMS 8-133, McDonnell-Douglas DMS-1937, and Federal Aviation Regulation FAR 25.853 (a). We can supply certificate of conformance and test data upon request.

For greater flame-retardant properties, please inquire about our FR-6706P product.

For lower-density foams with comparable physical property characteristics, flammability, temperature resistance and chemical resistance performance, see [LAST-A-FOAM® FR-3700 Performance Core Series](#)

### Advantages

- Rigid and closed-cell
- Flame-retardant
- High strength-to-weight ratio resulting from cross-linked resin
- Inert and resistant to most chemicals and solvents
- Easily shaped with common woodworking tools
- Temperature resistance from 250°F to 275°F

### Applications

- Models and design prototypes
- Composite core, especially where flame retardation is important
- Honeycomb edge closeout for aircraft interior sandwich panels used in overhead storage bins, passenger cabin dividers, galleys, and lavatories
- Vacuum form dies and mold patterns

### Sizing Chart

English Unit (Inches)

**Products Density (lbs/ft<sup>3</sup>) Height Width Length**

<b>FR-6710</b>	10	24	48	96
<b>FR-6712</b>	12	24	48	96
<b>FR-6715</b>	15	24	48	96
<b>FR-6718</b>	18	18	18	100
<b>FR-6718</b>	18	18	48	96
<b>FR-6720</b>	20	18	18	100
<b>FR-6720</b>	20	18	48	96
<b>FR-6725</b>	25	18	18	100

Shown are maximum standard stock sizes based on density. Custom sizes are available. Cut sizes are available from .125 inches (3.175 mm) up to standard stock heights as listed above.

Metric Unit (Cm)

**Products Density (kg/m<sup>3</sup>) Height Width Length**

<b>FR-6710</b>	160	60	120	240
<b>FR-6712</b>	192	60	120	240
<b>FR-6715</b>	240	60	120	240
<b>FR-6718</b>	288	45	45	250
<b>FR-6718</b>	288	45	120	240
<b>FR-6720</b>	320	45	45	250
<b>FR-6720</b>	320	45	120	240
<b>FR-6725</b>	400	45	45	250

Shown are maximum standard stock sizes based on density. Custom sizes are available. Cut sizes are available from .125 inches (3.175 mm) up to standard stock heights as listed above.

*For technical details or pricing on any of these grades and sizes, contact Professional Plastics*

# ***PROFESSIONAL PLASTICS, INC.***

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