



LAST-A-FOAM[®] FR-4500 TOOLING BOARD SERIES



Tough, grain-free FR-4500 foam tooling boards are ideal for tooling applications or as modeling foam. Rely on consistently uniform material from sheet to sheet and within each block. The high-density foam is easily worked using the simplest woodworking tools or sophisticated CAD/CAM routers and CNC machines. Excellent machining characteristics make it effortless to create precise, intricate designs for styling and design models, master models, masters for composite and layup tools, and for mold and foundry patterns. Their higher heat-deflection temperature rating also makes these products suitable for use in vacuum-forming applications where other urethane products may soften or deform.

Because it allows crisp cutting and excellent edge definition, the FR-4500 HDU foam material serves as an excellent wood alternative in three-dimensional outdoor sign boards and display manufacturing. With their superior cell structure, these tooling boards readily support very fine surface finishes with virtually any coating system. This high-density foam formulation can be securely bonded with a wide variety of adhesive systems to add thickness or build larger pieces.

LAST-A-FOAM[®] FR-4500 Series polyurethane foam sheets are always flat, stable and consistent in density. When machined, the anti-static foam board material breaks into shavings that fall safely to the floor. Less dust creates less mess and risk.

Densities extend to 50 lbs. per cubic foot, so you can match the right foam board to your job requirements while controlling costs.

Advantages

- Machined anti-static foam boards create shavings that fall to the floor, not dust
- Excellent consistency and uniformity throughout entire mass of material
- Easily finished with nearly any resin or coating system
- No glass-bead fillers to damage cutting tools – material cuts with HSS cutters!
- Long-term durability and dimensional stability
- Always flat and stable – sheets will not warp, bow or twist
- Individual densities color-coded for easy identification

Applications

- Master models
- Styling and design models
- Mold and foundry patterns
- Composite tooling
- Layup tool masters
- Outdoor sign board
- Outdoor displays

Sizing Chart

English Unit (Inches)

Products Density (lbs/ft³) Height Width Length

FR-4512	12	21	20	80
FR-4512	12	21	30	80
FR-4512	12	24	48	98
FR-4515	15	24	48	98
FR-4515	15	14	60	120
FR-4515	15	23	20	80
FR-4515	15	23	30	80
FR-4515	15	24	48	120
FR-4515	15	24	48	96
FR-4518	18	12	60	120
FR-4518	18	14	60	96
FR-4518	18	16	48	120
FR-4518	18	24	48	96
FR-4520	20	16	32	80
FR-4520	20	18	48	96
FR-4520	20	20	20	80
FR-4520	20	20	30	80
FR-4530	30	18	48	80
FR-4530	30	16	20	80
FR-4530	30	16	30	80
FR-4540	40	14	24	60
FR-4540	40	14	24	80
FR-4550	50	10	20	80
FR-4550	50	12	15	50
FR-4550	50	12	16	60

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/m³) Height Width Length

FR-4512	192	52.5	50	200
FR-4512	192	52.5	75	200
FR-4512	192	60	120	245
FR-4515	240	60	120	245
FR-4515	240	35	150	300
FR-4515	240	57.5	50	200
FR-4515	240	57.5	75	200
FR-4515	240	60	120	300
FR-4515	240	60	120	240
FR-4518	288	30	150	300
FR-4518	288	35	150	240
FR-4518	288	40	120	300
FR-4518	288	60	120	240
FR-4520	320	40	80	200
FR-4520	320	45	120	240
FR-4520	320	50	50	200
FR-4520	320	50	75	200
FR-4530	481	45	120	200
FR-4530	481	40	50	200
FR-4530	481	40	75	200
FR-4540	641	35	60	150
FR-4540	641	35	60	200
FR-4550	801	25	50	200
FR-4550	801	30	37.5	125
FR-4550	801	30	40	150

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

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