

# American Micro Industries, Inc.

## PRODUCT DATA SHEET: ULTRA FOAM™

### DESCRIPTION:

ULTRA FOAM™ is flexible, high-buoyancy cross-linked polyethylene foam utilized for a wide spectrum of marine applications. This smoothly finished foam has an extremely fine cell structure that offers low moisture absorption, excellent thermal insulation value and is impervious to mildew, mold, rot and bacteria. ULTRA FOAM™ has excellent chemical resistance.

### APPLICATIONS:

ULTRA FOAM™ is especially suited for marine applications requiring shock absorption, void filling, gasketing, sealing, noise and vibration dampening. ULTRA FOAM™ comes in a variety of colors, thickness and densities and easily fabricated, sewn and adhered.

### PRODUCT AVAILABILITY:

- .5" x 48" x 72" Medium Gray (In-Stock) (Part #: MIN0504X6GRY)

### CUSTOM PRODUCT AVAILABILITY:

- Thickness: .125" thick – 4.0" thick
- Length: 0" – 60"
- Width: 0" – 48"
- Colors: Blue, green, yellow, red, gray, white
- Densities: 2.0 lb. / cft. through 4.0 lb. / cft.

### TECHNICAL DATA:

#### PROPERTIES

Physical Property	Value	Test Standard
Color	Gray	n/a
Thickness	Approx. 0.5"	n/a
Buoyancy	55 lbs / cu./ft.	Mil P-40619 (USCG)
Water Absorption	0.07 lbs / sq./ft. of cut surface maximum	Mil P-40619
Elongation	156%	ASTMD3575-84
Tensile Strength	31.4 PSI	ASTM D3575-84
Tear Resistance	31.4 lbs/ 1"	ASTM D3575-84
Temperature Range	(-110°) through +215°	n/a
Thermal Conductivity	K= .25 / R-Value 4.0 per inch of thickness	ASTM C-177 & C-518
Density	2.0 lbs / cu.ft.	ASTM D3575-84
Compression Set	12.7% of original thickness	ASTM D3575-84
Compression Strength	7.0 per sq. in.	ASTM D3575

### American Micro Industries, Inc.

440 Ramsey Avenue, Chambersburg, PA 17201

Phone: 800-558-2058 Fax: 717-261-9161

e-mail: [sales@americanmicroinc.com](mailto:sales@americanmicroinc.com)

<http://www.marinefoam.com>

<http://www.mariefoam.com>

ULTRA FOAM™

### **INSTALLATION GUIDELINES:**

Ultra Foam™ can be easily cut to size or shape with conventional tools such as utility razor knives, saws and shears. The material can be adhered to almost any surface with hot-melt and non-flammable contact cement. Room temperature water based glues and superglue materials will not adhere effectively with Ultra Foam™ materials.

This information on Ultra Foam chemically cross-linked polyethylene foam is presented to our best knowledge. All test data are average values unless stated and should be considered as guidelines to the performance of this product and should not be used as specifications.

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