

## Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

# Engraved Phenolic Nameplates

## Electrically Non-Conductive / Non Flammable / Fire Retardant

**Material:** Glossy or Velvet / Low Glare finish. Rigid thermoset material with cap and core permanently fused together. Conforms to Military Spec LP-387A Type N.D.P. LP-509. Phenolic is electrically non-conductive and abrasion resistant.

### Product Description:

- Brimar's standard engraved phenolic nameplates are engraved on one side and available in a variety of colors and sizes to better identify hazards.

### Appearance:

- All sides are beveled for a neat finished look.
- Corners are typically provided square.

### Application:

- Nameplates are provided with mounting holes (3/16" -5mm- default hole size), adhesive backing or both.

**Compliance:** ANSI/ASME A13.1 Scheme for the Identification of Piping Systems

**LEED Compliance:** Nameplates with adhesive backing are in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC).

- When supplied with adhesive the adhesive backing on this product contains < 5.8 grams / Liter VOC.

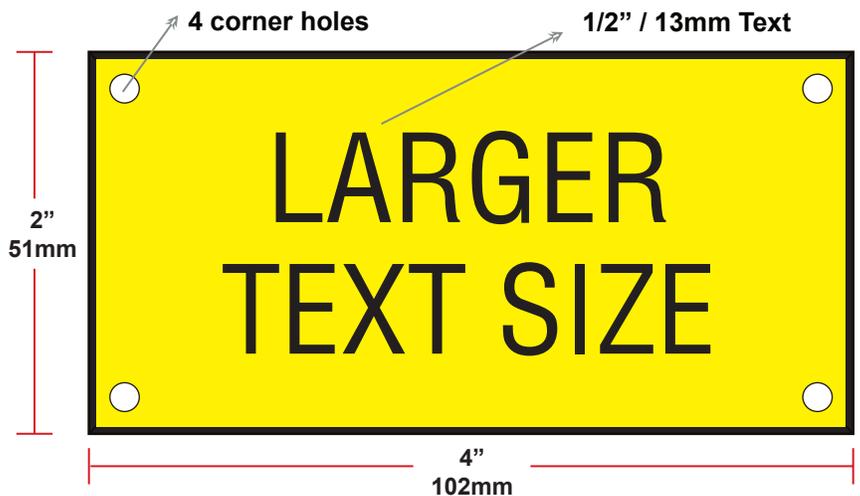
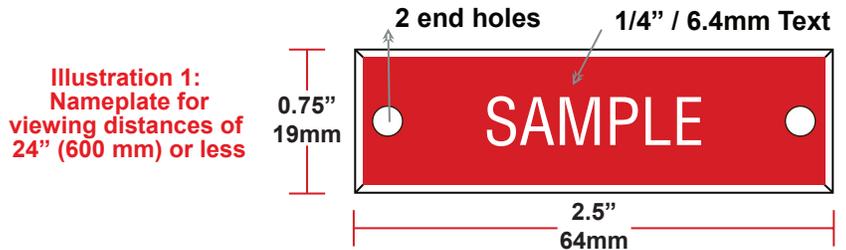
### Physical Characteristics:

- Standard: 3 Ply 1/16" (1.6mm) thick for engraving on one or both sides.
- Special: \*\*3 Ply 1/8" (3mm) thick for engraving on one or both sides.

\*\* (Not available in all colors, call for availability)

### Standard Sizes & Shapes\*:

<input type="checkbox"/> 2.5 x .75" 64 x 19mm	<input type="checkbox"/> 6 x 2" 152 x 51mm
<input type="checkbox"/> 2.5 x 1" 64 x 25mm	<input type="checkbox"/> 6 x 3" 152 x 76mm
<input type="checkbox"/> 3 x 1" 76 x 25mm	<input type="checkbox"/> 6 x 4" 152 x 102mm
<input type="checkbox"/> 3 x 2" 76 x 51mm	<input type="checkbox"/> 8 x 4" 203 x 102mm
<input type="checkbox"/> 4 x 1.5" 102 x 38mm	<input type="checkbox"/> 10 x 4" 254 x 102mm
<input type="checkbox"/> 4 x 2" 102 x 51mm	<input type="checkbox"/> 12 x 4" 305 x 102mm
<input type="checkbox"/> 4 x 2.5" 102 x 64mm	



### Max. Temperature:

- -30° F to 200° F
- -34° C to 93° C

### Durability:

- Indoor - Indefinite
- Outdoor - Limited (6-12 months susceptible fading)

Other special products available for exterior durability.

### Dimensional Information:

Maximum plate size is 24 x 16" (610 x 406mm)  
Custom sizes also available

### COLORS AVAILABLE

Background	Lettering
Black	White
White	Black
Red	White
Yellow	Black
Blue	White
Green	White

**Letter Sizes:** 1/4" (6.4mm), 3/8" (10mm), 1/2" (13mm), 3/4" (19mm), 1" (25.4mm), 1.25" (32mm), 1.5" (38mm) or Copy to Fit.  
Letter sizes are determined by size of tag, number of lines, and number of characters per line.

DATE: \_\_\_ / \_\_\_ / \_\_\_

JOB: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_



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### PHENOLIC SHEET COMPLIANCE

#### Technical Data Bulletin

GRADE: ES4 | .0625" Gauge

NEMA: ES4

ASTM: D709

**DESCRIPTION** : Composed of melamine/colored paper cores with white or black or colored cover sheets.

Physical Properties			Units	Values
Rockwell Hardness (ASTM D785)	0.250" Build-Up		M Scale	100
Moisture Absorption (ASTM D570)	Condition A		%	2.50
Flexural Strength (ASTM D790)	Condition A	LW/CW	psi (MPa)	13,500 / 13,500 (93.1) / (93.1)
Flexural Modulus (ASTM D790)	Condition A	LW/CW	kpsi (GPa)	1,500 / 1,500 (10.3) / (10.3)
Tensile Strength (ASTM D638)	Condition A	LW/CW	psi (MPa)	10,500 / 9,200 (72.4) / (63.4)
Izod Impact Strength (ASTM D256)	Condition A	LW/CW	ft-lb/in (Jcm)	0.60 / 0.55 (0.32) / (0.29)
Compressive Strength (ASTM D695)	Condition A	Flatwise	psi (MPa)	1,000 (6.9)
Thermal Properties				
Temperature Index <sup>1</sup> (UL Bulletin 746b)	Electrical / Mechanical		°C	120
Flammability Vertical (UL Bulletin 94)	Condition A		Class	V-0
Electrical Properties				
Breakdown Voltage (ASTM D149)	Condition A		kVolts	50
Arc Resistance (ASTM D495)	Condition A		Sec	120

<sup>1</sup> This temperature is a recommendation only, and is based upon experience in various applications. The maximum operating temperature is dependent upon the application and should be investigated prior to use.

This data, while believed to be accurate and based on reliable analytical methods, is for informational purposes only.

Data supplied above are 'typical values'; not to be considered 'specification values'.

**DATE:** \_\_\_\_ / \_\_\_\_ / \_\_\_\_ **JOB:** \_\_\_\_\_

**CONTRACTOR:** \_\_\_\_\_