**Inland Products LLC**

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Manufacturing identification products since 1988

# Engraved Phenolic Labels

PRODUCT DATA SHEET

## DESCRIPTION

Custom engraved phenolic labels for electrical panels, equipment, safety signage, and valve and pipe identification. Made from **impact modified acrylic** engraving laminate, these labels provide electrically non-conductive identification with contrasting engraved text.

## MATERIAL SPECIFICATIONS

| | |
|---|---|
| **Base material** | Impact modified acrylic, multi-layered |
| **Thickness options** | 2-ply: 0.062 in. (1.57 mm)<br>3-ply: 0.125 in. (3.15 mm) |
| **Finish** | Matte |
| **Engraving** | Laser engraved to expose the contrasting core layer |
| **Flammability** | UL 94 HB (base material) |
| **Material characteristics** | Electrically non-conductive and insulative; halogen-free, PVC-free, formaldehyde-free and phenol-free. Clean room compliant. |

## ENVIRONMENTAL AND PERFORMANCE CHARACTERISTICS

| | |
|---|---|
| **UV resistance** | UV resistant; will not fade. |
| **Service temperature** | -40°F to 208°F (-40°C to 97°C) |
| **Tensile strength** | 5,500 psi |
| **Flexural strength** | 10,300 psi (load to stretch outer surface 5%) |
| **Electrical resistance** | 10^12 Ohms/Sq. Meter |

**Material disclosure:** These phenolic labels are made from impact modified acrylic, not phenolic-resin laminate.

# Engraved Phenolic Labels



## ENGRAVING AND COLOR AVAILABILITY

Laser engraving exposes the contrasting core to create high-contrast text and graphics. Available background/text combinations are listed below.

| | |
|---|---|
| **2-ply colors** | Black/White, Brown/White, Dark Blue/White, Dark Green/White, Light Blue/White, Light Green/White, Metallic Gold/Black, Metallic Silver/Black, Orange/White, Red/White, White/Black, Yellow/Black |
| **3-ply colors** | Black/White, Dark Blue/White, Red/White, White/Black, Yellow/Black |

## CUSTOMIZATION AND MOUNTING

| | |
|---|---|
| **Sizes and shapes** | Custom dimensions; standard rectangles or custom shapes |
| **Holes** | 1-4 holes in various sizes |
| **Adhesive option** | Peel-and-stick adhesive backing; 3M 300LSE |
| **Adhesive application range** | 50°F to 100°F (10°C to 37°C) |
| **Adhesive service range** | -40°F to 300°F (-40°C to 148°C) |

Adhesive temperatures are listed separately and do not increase the label material's temperature capability. Mounting performance depends on the surface and application conditions.

## SPECIFICATION APPROVAL

Customers must check the specifications and obtain approval where their project expressly requires phenolic-resin laminate or a particular certification.

Date: _____ Job: _____

Contractor: _____