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Phenolic Labels: Durable Industrial Identification

Description: Weatherproof identification labels engineered for industrial environments. Phenolic labels are known for their durability, resistance to chemicals, abrasion, and harsh weather conditions, making them ideal for both indoor and outdoor applications.

Material Specifications:

- **Base Material:** Phenolic Resin (rigid and durable thermoset plastic).
 - **Thickness:** 0.062" (1.57 mm) or 0.125" (3.15 mm) standard
 - **Finish:** Matte, available in various colors
 - **Engraving Layer:** Dual-layer material for clear and precise engraving.
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Engraving and Printing Details:

- **Engraving Type:** Laser engraving for permanent marking.
 - High-contrast results with exposed contrasting core.
 - **Color Availability:** Wide range of color combinations for surface and core layers.
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Adhesion Properties (Optional for adhesive-backed phenolic labels):

- **Adhesive Type:** Industrial-strength adhesive backing (3M 300LSE).
 - **Application Temperature Range:** 50°F to 100°F
 - **Service Temperature Range:** -40°F to 300°F (-40°C to 149°C).
 - **Features:**
 - High-bond strength on smooth, textured, and powder-coated surfaces.
 - Long-term adhesion for harsh environments.
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Environmental and Performance Characteristics:

- **Weather Resistance:** Designed for extreme outdoor conditions, including UV exposure, humidity, and rain.

- **Chemical Resistance:** Highly resistant to most industrial chemicals, solvents, oils, and acids.
 - **Operating Temperature:** -40°F to 300°F (-40°C to 149°C).
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Customization Options:

- **Sizes:** Fully customizable to meet specific application needs.
 - **Mounting Options:**
 - Screw holes, adhesive backing, or mounting brackets.
 - **Colors and Finishes:** Multiple surface and engraving core color combinations for enhanced visibility and branding.
 - **Shapes:** Standard rectangles or custom shapes.
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Applications:

- Equipment labeling.
- Safety and compliance signs.
- Electrical panel identification.
- Valve and pipe marking.