

Material Guide Engraver's Plastic



Engraver's plastic is a two-ply or multi-ply laminated sheet composed of a thin top layer (cap) of colored plastic bonded to a contrasting core layer. When the top layer is engraved, the core color is revealed, creating sharp, high-contrast text, graphics, or symbols.

CHARACTERISTICS of ENGRAVER'S PLASTIC:

- **Layered Construction:**
 - The 1/16" plastic is made of two layers - a thin, colored surface (cap) over a contrasting core.
 - The 1/8" 3-ply Heavy Duty Plastic is made of three layers.
 - Engraving removes the top layer to expose the core color, creating clear, readable markings. The 3-ply plastic is engravable on both sides.
- **Weight:**
 - Lightweight and easy to handle compared to some metal tags.
- **Surface Finish:**
 - Offered in matte, gloss, brushed metallic, or textured finishes to suit different visual or functional needs.
- **Durability:**
 - Impact-resistant and resistant to cracking or breaking under normal use.
- **Chemical Resistance:**
 - Resists most cleaning agents, oils, and mild solvents.
- **Temperature Tolerance:**
 - Suitable for most indoor and outdoor environments, though extreme heat may cause warping if not rated for outdoor use.
- **Engravability:**
 - Designed specifically for laser engraving, producing sharp, precise lettering & graphics.
- **Color Contrast:**
 - The dual-layer construction ensures high visibility of engraved text or designs.
- **Adhesion:**
 - Compatible with adhesive backing, screws, or mounting hardware for easy installation.

APPLICATIONS for ENGRAVER'S PLASTIC:

- **Identification & Labeling:**
 - **Nameplates and ID tags** – for desks, offices, lockers, and uniforms
 - **Equipment identification labels** – machinery, tools, and industrial equipment
 - **Control panel labels** – switch plates, instrument panels, and control boards
 - **Electrical tags** – breaker panels, outlets, and cable markers
- **Signage:**
 - **Indoor signs** – room numbers, directional signs, ADA or compliance signage
 - **Outdoor signs** (when using UV-stable grades) – building directories, gate or parking signs
 - **Door and desk signs** – custom-engraved titles, positions, or names
 - **Safety and warning signs** – durable, high-contrast notices for industrial or public areas
- **Awards & Recognition:**
 - **Trophy plates and plaques** – engraved nameplates for awards, memorials, or displays
 - **Commemorative signs** – recognition boards or dedication plates
- **Industrial & Commercial Uses:**
 - **Machine plates** – operating instructions, serial number, or manufacturer tags
 - **Valve tags** – for process control and maintenance identification
 - **Facility labeling** – storage areas, cabinets, or equipment locations
- **Specialty & Custom Uses:**
 - **Architectural signage systems** – directories, building markers, and interior décor elements
 - **Custom graphics and branding** – logos, labels, and emblems
 - **Educational or laboratory tags** – specimen markers, classroom labels, or equipment IDs
 - **Hobby and craft projects** – custom badges, keychains, or decorative plates

**Contact us today to Quote your
Engraver's Plastic Project**

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BENEFITS of ENGRAVER'S PLASTIC

- **High-Quality Appearance:**
 - Produces crisp, clean, and professional-looking engravings.
 - Dual-layer design ensures excellent color contrast between engraved and surface areas.
 - Available in a wide variety of color combinations, finishes, and textures.
- **Versatility:**
 - Ideal for laser engraving.
 - Can be cut, drilled, or shaped easily for custom designs.
 - Works well for indoor or outdoor use (depending on material grade).
- **Durability:**
 - Scratch and impact-resistant surface stands up to daily wear.
 - Resistant to chemicals, moisture, and cleaning agents.
- **Lightweight & Easy to Handle:**
 - Much lighter than metal or phenolic materials.
 - Easy to mount with adhesives, screws, or frames.
 - Simple to transport, store, and fabricate.
- **Customization Options:**
 - Available in many thicknesses, colors, and surface finishes.
 - Supports fine detailing, including text, logos, and graphics.
 - Can be used for branding, identification, and decorative purposes.

