

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:

- Made of two or more layers — a thin, colored surface (cap) over a contrasting core.
- Engraving removes the top layer to expose the core color, creating clear, readable markings.

• 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

Toll Free: 1-800-451-3330 - Local: 616-647-0998

www.NapTags.com

info@napindgroup.com

7777 Childsdale Ave NE | Rockford, MI 49341

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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.

