Marking Services Incorporated

# MS-900 SELF-ADHESIVE ECONOMY PIPE MARKERS

**Technical Data**


## Description

MS-900 Self-Adhesive Economy Markers are a cost effective, efficient method of marking the contents and direction of the flow on process piping in safety conscious environments. Economy markers are constructed of a 4 mil pressure sensitive thermoplastic film. Complies with ASME A13.1 color scheme requirement. However, Economy markers do not comply with the length of the color field per ASME. Supplied in rolls of 50 perforated markers and arrows.

## Physical and Chemical Characteristics

| | |
|---|---|
| **Base Material:** | Premium-grade Thermoplastic |
| **Material Thickness:** | .004" (.1 mm) |
| **Service Temperature:** | -50°F to 180°F (-45°C to 82°C) |
| **Application Temperature:** | +50°F (10°C) |
| **Chemical Resistance:** | Good |
| **Water Resistance:** | Excellent |
| **Expected Outdoor Durability:** | Indoor Use Only |
| **Storage Durability:** | Up to 2 Years |
| **Abrasion Resistance:** | Good |
| **Mounting:** | Permanent pressure sensitive acrylic adhesive backing |
| **Finish:** | n/a |
| **Text Height:** | 1-1/4" (32 mm) letters |
| **Typical Sizes:** | 2" x 9" (51 mm x 229 mm) |
| **Standard Colors:** | Designed to meet ANSI & ASME Standards (See chart) |
| **Options:** | Custom Sizes Available |
| **Chemical Table:** | Acid Resistance: Good<br>Alkalis Resistance: Good<br>Salts Resistance: Good |

*Information on physical and chemical characteristics is based on tests we believe to be reliable. The values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material for their specific application.*

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## Designation of Colors (ASME A13.1-2015 & ANSI Z535-2017)

| Designation of Colors — ASME A13.1-2015 & ANSI Z535-2017 Standards | | |
|---|---|---|
| Classification | Color Scheme | |
| **Defined Applications** | | |
| Fire quenching liquids | White text on red | Sample |
| Toxic and corrosive fluids | Black text on orange | Sample |
| Flammable fluids | Black text on yellow | Sample |
| Combustible fluids | White text on brown | Sample |
| Potable, cooling, boiler feed and other water | White text on green | Sample |
| Compressed air | White text on blue | Sample |
| **Undefined Applications** | | |
| Defined by user | White text on purple | Sample |
| Defined by user | Black text on white | Sample |
| Defined by user | White text on gray | Sample |
| Defined by user | White text on black | Sample |

## Designation of Colors (ANSI/ASME A13.1-1996)

| Designation of Colors — ANSI/ASME A13.1-1996 Standards | | |
|---|---|---|
| Classification | Color Scheme | |
| **Materials Inherently Hazardous** | | |
| Flammable or Explosive, Chemically Active or Toxic, Extreme Temperature or Pressures, Radioactive | Black text on yellow | Sample |
| **Materials Inherently Low Hazard** | | |
| Liquid or Liquid Admixture (non-hazardous materials) | White text on green | Sample |
| Gas or Gaseous Admixture (non-hazardous materials) | White text on blue | Sample |
| **Fire Quenching Materials** | | |
| Water, Foam, $CO_2$, Halon, etc. | White text on red | Sample |

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