



MS-900TO SELF-ADHESIVE ECONOMY PIPE MARKERS

Technical Data



Description

Marking Services, Inc. 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. The printed graphics are protected with a 1 mil layer of MS-1000 overlamine. This combination provides the maximum in ultraviolet protection against sun fading and other outdoor effects. 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

Marker Size:	2" x 9" (51 mm x 229 mm), 1-1/4" (32 mm) letters
Arrow Size:	2" x 6" (51 mm x 152 mm), 5-1/2" (140 mm) arrow
Film:	.004" (.1 mm) thick
Adhesive:	Permanent pressure-sensitive acrylic
Service Temperature:	-50°F to +180°F (-45°C to 82°C)
Application Temperature:	+50°F (10°C)
Water Resistance:	Excellent
UV Resistance:	Good
Chemical Resistance:	Resistant to acids, alkalis and salts
Expected Outdoor Durability:	5 years
Storage Durability:	Two years when stored at +73°F (22°C) and 50% relative humidity

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.

Updated on 9/16/2020





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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

