Marking Services Incorporated®

MS-900 Self-Adhesive Arrow Tape with MS-1000

Technical Data

Description

MS-900 UV self-adhesive arrow tape is specially designed for outdoor use. It is manufactured from premium grade thermoplastic with a permanent acrylic pressure sensitive adhesive. The film is laminated with MS-1000 providing not only additional chemical resistance but also excellent UV and fade resistance for extended outdoor durability.

It is used to provide information regarding direction of flow of pipe's contents. All arrow tape conforms to the ASME A13.1-2023 Scheme for the Identification of Piping Systems and ANSI Z535-2017 with regard to color, arrow size, and width of tape.

Physical and Chemical Characteristics

Base Material:	Premium-grade Thermoplastic w/ MS-1000 Overlaminate
Material Thickness:	.005" (.127 mm)
Service Temperature:	-50°F to 180°F (-45°C to 82°C)
Application Temperature:	+50°F (10°C)
Chemical Resistance:	Excellent
Water Resistance:	Excellent
Expected Outdoor Durability:	Very Good (Up to 5 Years) Tested to ASTM D 7869
Storage Durability:	Up to 2 Years
Abrasion Resistance:	Very Good
Mounting:	Permanent pressure sensitive acrylic adhesive backing
Finish:	Gloss Surface
Text Height:	n/a
Typical Sizes:	1" x 30 YDS 2" x 30 YDS 4" x 30 YDS
Standard Colors:	Designed to meet ANSI & ASME Standards (See chart)
Options:	Custom Sizes Available
Chemical Table	Acid Resistance: Good Alkalis Resistance: Good 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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Revised 2/5/2025

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Designation of Colors (ASME A13.1-2023 & ANSI Z535-2017)

Designation of Colors — ASME A13.1-2023 & ANSI Z535-2017 Standards		
Classification	Color Scheme	
Defined Applications		
Firefighting	White text on red	Sample
Toxic or corrosive	Black text on orange	Sample
Flammable, combustible, or oxidizing	Black text on yellow	Sample
Steam; or steam condensate, boiler feedwater, or other hot water	Black text on gray	Sample
Potable, cooling, or other cold or tepid 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 brown	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, CO2, Halon, etc.	White text on red	Sample

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