



MARKING SERVICES, INC.

MS-995 MAXILAR POLYESTER PIPE MARKERS WITH TM



DESCRIPTION

MS-995 pipe markers are designed to identify piping in chemically harsh plant environments. The markers are constructed of a layer of polyester film and a layer of protective film, which are laminated together to form a single construction. The printed graphics are between the two layers of film to protect them from the effects of the environment. Legends can include pipe origin and destination, line number, and bar codes in addition to pipe contents. The protective top layer provides the maximum in ultra violet protection against sun fading and other outdoor effects. Subsurface printed graphics protects printing and provides excellent resistance to chemicals and liquors.

Markers are mechanically applied either by wrapping completely around the pipe, or strapping larger sizes onto the pipe surface with stainless steel straps or, if non-metallic fasteners are required, sturdy nylon straps. The wraparound markers are sealed in place with an adhesive sealing strip. Material is self-extinguishing when exposed to open flames.

MS-995 Markers are designed to meet ASME A13.1-1996 "Scheme for the Identification of Piping Systems" except styles J, K, L & N, which do not meet the ASME A13.1-1996 standard regarding marker size and letter height.

PHYSICAL CHARACTERISTICS











Materials:	.005" (0.127 mm) mil polyester and .002" (0.050 mm) protective top layer
Service Temperature Range:	- 40° to + 250°F (-40°C to 121°C)
Water Resistance:	Excellent
Outdoor Durability:	Minimum 5 Years
UV Resistance:	Excellent
Density:	1.37
Tensile Strength:	22,000 PSI
Shrinkage:	3% at 190°C for 5 minutes Storage
Stability:	Indefinite when stored at room temperature with moderate humidity

This ASME scheme calls out the following colors for identification:

Designation of Colors (ASME A13.1-1996)

Classification	Color Description	Swatch
<i>Materials Inherently Hazardous</i>		
Flammable or Explosive	Black on Yellow	
Chemically Active or Toxic	Black on Yellow	
Extreme Temperatures or Pressures	Black on Yellow	
Radioactive	Black on Yellow	
<i>Materials of Inherently Low Hazard</i>		
Gas or Gaseous Admixture	White on Blue	
Liquid or Liquid Admixture	White on Green	
<i>Fire Quenching Materials</i>		
Water, Foam, CO2, Halon, etc.	White on Red	

Designation of Colors (ASME A13.1-2007)

Classification	Color Description	Swatch
Fire Quenching Materials	White on Red	
Toxic and Corrosive Fluids	Black on Orange	
Flammable Fluids	Black on Yellow	
Combustible Fluids	White on Brown	
Potable, Cooling, Boiler Feed, and Other Water	White on Green	
Compressed Air	White on Blue	
To be defined by the user	White on Purple	
To be defined by the user	Black on White	
To be defined by the user	White on Grey	
To be defined by the user	White on Black	

MARKER SIZES

Pipe Diameter	Marker Length	Letter Height	Style
3/8" - 1/2"	3"	.25"	TM
1/2" - 1"	8"	.50"	A
1 - 1 1/8" - 2 - 1/2"	8"	.75"	B
2 - 1/2" - 4 - 3/4"	12"	1.25"	D
5" - 7 - 7/8"	12"	1.25"	E
8" - 10"	12"	1.25"	J
11" - 12"	12"	1.25"	K
13" - 15"	12"	1.25"	L
16" - 18"	12"	1.25"	N
*Over 8"	32"	3.50"	M

Pipe Diameter	Marker Length	Letter Height	Style
9.5 mm - 12.7 mm	76.2 mm	6 mm	TM
12.7 mm - 25.4 mm	203.2 mm	13 mm	A
28.575 mm - 63.5 mm	203.2 mm	19 mm	B
63.5 mm - 120.62 mm	305 mm	32 mm	D
127 mm - 200.025 mm	305 mm	32 mm	E
203.2 mm - 254 mm	305 mm	32 mm	J

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.
Created on 1/7/2014

279.4 mm - 304.8 mm	305 mm	32 mm	K
330.2 mm - 381 mm	305 mm	32 mm	L
406.4 mm - 457.2 mm	305 mm	32 mm	N
*Over 203.2 mm	812.8 mm	89 mm	M

MS-995 Style M Carriers are used for piping over 8" and are 4-1/2" x 33" long. Style MF also available for piping 5" through 7-7/8" and are 2-1/2" x 18".

MSI Part Number	Pipe Diameter	Strap Size
15710	8" thru 10" (203 - 254 mm)	35" (889 mm)
15711	11" thru 14" (279 - 355 mm)	47" (1194 mm)
15712	15" thru 16" (381 - 406 mm)	60" (1524 mm)