

**Product Name**

Self-Adhesive Pipe Banding / Marking

**Associated Specification Section**

15075 - Mechanical Identification

**Manufacturer's Name**

Seton Identification Products



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**PRODUCT DESCRIPTION****PRODUCT FEATURES**

- BASIC USES / RELATED USES
  - Self-adhesive identification bands or markings for facility piping,
    - Opti-Code™ Vinyl
      - \* Weather-Code Outdoor Pipe Markers
      - \* Medical Gas Pipe Markers
      - \* Ammonia Pipe Markers
      - \* Semiconductor & Chemical Pipe Markers
      - \* Refrigerant Labels
    - Poly-Code Polyester
      - \* Poly-Code Clear Pipe Markers
    - Roll-Form Plastic Film
      - \* Seton-Code Economy Pipe Markers
      - \* Arrows-On-A-Roll Tape
      - \* Pipe Markers-On-A-Roll
      - \* Medical Gas Pipe Markers-On-A-Roll
      - \* Pipe Banding Tape
  - Related products: TLS-2200 label maker, mechanically fastened pipe markers, pipe stencils.
- PRODUCT ATTRIBUTES AND CHARACTERISTICS
  - Opti-Code™ self-adhesive vinyl, for commercial or light industrial applications.
  - Roll-Form Markers: Economical, for less demanding applications.
  - Pre-printed standard ANSI lettering and symbols, or custom printed bands.
  - English or English/Foreign language text.
  - All Seton markers can be ordered with custom colors, and lettering.
- SELECTION CRITERIA
  - Opti-Code: Premium indoor/outdoor grade, self-sticking marker, meets ANSI A13.1.
  - Roll-Form Markers: Economical, indoor installations.
  - Medical Gas Markers: Determined by NFPA 99C-1996, and CGA C-9-1988(R1993).
  - Ammonia Markers: Determined by IIAR, Bulletin 114.
  - Refrigerant Labels: Determined by ARI Guideline N.
- APPLICABLE STANDARDS, RELATED REFERENCES
  - American Refrigeration Institute (ARI): Guideline N.
  - ASME(ANSI) A13.1-1996: Scheme For The Identification Of Piping Systems.
  - ASTM ??
  - Compressed Gas Association Standard (CGA) Pamphlet C-9-1988 (R1993).
  - National Fire Protection Association (NFPA) 99C-1996
  - Society of Automotive Engineers (SAE): ??

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**PRODUCT DESCRIPTION**

- **QUALITY STATEMENT, TESTS, CERTIFICATIONS, AND APPROVALS**
  - Opti-Code Self-Adhesive Vinyl:
    - Pipe Temp. Range: -40 to 80 deg C (-40 to 176 deg F).
    - Resistant to alcohols, grease/oils.
    - Abrasion Resistance: Up to 120 cycles, tested with CS-17 wheels, 1000 g weights, to U.S. Federal Test Method Std 191A, Method 5306.
  - Roll-Form Self-Adhesive Plastic Film:
    - Pipe Temp. Range: -40 to 100 deg C (-40 to 212 deg F).
    - Resistant to alcohols, grease/oils, acids.
- **PACKAGING, HANDLING, PROTECTION, AND DELIVERY INSTRUCTIONS**
  - Same day or next day shipping for small orders.
  - Opticode™ Markers: Minimum application temperature 10 deg C (50 deg F).
- **LIMITATIONS**
  - Opti-Code™: Not suitable for organic solvent, acid, or alkali environments.
  - Roll-Form Plastic Film: Not suitable for organic solvent or alkali environments. Roll-form plastic does not meet ANSI A13.1.
- **AVAILABILITY**
  - Direct from Seton, by telephone, fax, mail, or online methods.
    - Phone: 800-243-6624 (Mon-Fri, 07:00 - 21:00, EST)
    - Fax: 800-345-7869
    - Mail: Seton, P.O. Box 819, Branford, CT 06405-0819
    - Online: [www.seton.com](http://www.seton.com)
- **COST**
  - Rated from least to most expensive:
    - Roll-form Self-Adhesive Plastic Film.
    - Opti-Code Self-Adhesive Vinyl.

**PRODUCT PROPERTIES**

- **MATERIALS, [COMPOSITION,] [PROPERTIES]**
  - Opti-Code™ Vinyl: Self-adhesive vinyl, 0.13 mm (5 mil) thick, to ANSI A13.1.
    - Arrows-On-A-Roll Tape: perforated every 203 mm (8").
    - Blank, pre-printed with ANSI compliant lettering, or direction arrows.
  - Poly-Code Clear Polyester: 0.05 mm (2 mil) thick polyester, coated with acrylic adhesive, clear color.
  - Roll-Form Plastic Film: ??? plastic, ??? thick.
    - Seton Code: ??
    - Clear laminated for strength, and to protect lettering.

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**PRODUCT DESCRIPTION**

- Perforated arrows, which can be removed and reversed to indicate flow in either direction.
    - Blank, or pre-printed with ANSI compliant lettering.
  - Marking Ink: UV resistant.
- ACCESSORIES
  - Directional Arrows: ANSI A13.1 colors, 203 x 57 mm (8" x 2-1/4"), 305 x 102 mm (12" x 4"), and 305 x 114 mm (12" x 4-1/2").
  - Individual Vinyl Letters: Self-adhesive, white or black ANSI letters, 19 mm (3/4") or 32 mm (1-1/4") high.
  - Pens for blank pipe markers.
- [SHAPE,] [MASS,] [AND DIMENSIONS]
  - Opti-Code Sizes: Determined by ANSI A13.1.

Pipe Diameters Inch (mm)	3/4" to 1-3/8" (10 to 35)	1-1/2 to 2-3/8 (38 to 60)	2-1/2 to 3-7/8 (64 to 86)	4 to 5-7/8 (102 to 150)	6 to 7-7/8 (152 to 200)	8 to 10 (203 to 254)	over 10 (over 254)
<b>Length</b>	8 (203)	8 (203)	12 (305)	12 (305)	12 (305)	24 (610)	32 (810)
<b>Letter Size</b>	1/2 (13)	3/4 (19)	1-1/4 (32)	1-1/4 (32)	1-1/4 (32)	2-1/2 (64)	3-1/2 (89)

- Roll-Form Plastic Film sizes:

Film Size	Pipe Size
165 x 25 mm (6-1/2 x 1)	up to 64 mm (2-1/2")
229 x 51 mm (9" x 2")	64 to 102 mm (2-1/2" to 4")
305 x 75 mm (12" x 3")	102 x 154 mm (4" to 6")

- Arrows-On-A-Roll Tape sizes:
  - Lengths: 16.5 m (54'), 33 m (108').
  - Widths:

Film Width	Marker Size
102 mm (1")	Style CC
51 mm (2")	203, 305 mm (8", 12")
102 mm (4")	610, 810 mm (24", 32")

- Medical Gas Pipe Markers-On-A-Roll sizes: 75 x 75 mm (3" x 3"), 60 markers per roll.

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**PRODUCT DESCRIPTION**

- Refrigerant Labels: 89 x 25 mm (3-1/2" x 1"), 8 labels per card; 89 x 51 mm (3-1/2" x 2"), 4 labels per card.
- [FINISH,] [COLORS] [AND TEXTURES]
  - Opti-Code Pipe Markers, Roll Form Pipe Markers: ANSI A13.1 colors, depending on pipe service:
    - White letters on blue.
    - White letters on black.
    - White letters on green.
    - White letters on brown.
    - White letters on red.
    - White letters on gray.
    - Black letters on yellow.
    - Black letters on orange.
    - Black letters on white.
  - Poly-Code:
    - Markers, Directional Arrows, Arrows-On-A-Roll Tape
    - White or black lettering on clear background.
  - Text: Blank or standard phrases, font size and style to meet ANSI A13.1; custom colors or fonts available.
  - Arrows-On-A-Roll Tape: ANSI A13.1 colors.
    - White letters on blue.
    - White letters on green.
    - White letters on red.
    - Black letters on yellow.
    - Black letters on orange.
    - Black letters on white.
    - Black letters on green.
    - Black or white letters on clear.
  - Medical gas labels:
    - Colors depending on pipe service, to CGA Pamphlet C-9.
    - Text to CGA Pamphlet C-9.
    - Opti-Code marker material.
  - Semiconductor & Chemical Pipe Markers:
    - Colors and text to ASME A13.1.
      - \* White letters on blue.
      - \* White letters on green.
      - \* Black letters on yellow.
    - Opti-Code or Roll-Form Materials.

**PRODUCT PLACEMENT**

- PREPARATION

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**PRODUCT DESCRIPTION**

- Ensure pipe surfaces are clean prior to application.
- **INSTALLATION, ERECTION, APPLICATION, CONSTRUCTION**
  - Peel off first adhesive strip. Wrap band around pipe. Peel off second adhesive backing and attach to itself.
  - To meet ANSI A13.1, add direction of flow indicators to markers using Arrows-On-A-Roll tape at each end of marker.
  - Arrows-On-A-Roll and Pipe Banding Tape: Place tape over the ends of each marker and wrap completely around the pipe onto itself, providing permanent adhesion and 360 degree color-coding.
- **COVERAGE**
  - ANSI A13.1 coverage: ?? [frequency of pipe markers]
  - Medical gas labels: Locate labels on piping at minimum 20 ft.(6 m) intervals, once in each each room and once per story traversed by the piping.

**Corporate Identification**

Seton Identification Products  
Dept. AT-21  
20 Thompson Road  
P.O. Box 819  
Branford, CT 06405-0819  
Tel: 800-243-6624  
Fax: 800-345-7819  
Website: [www.seton.com](http://www.seton.com)

**Technical Services Available**

Architects: Product binder, specifications on disk.  
Contractors: Submittal binder.

**Classification and Filing**

MasterFormat:  
15075 - Mechanical Identification

UniFormat:  
N/A

**END**