MAGNATEC® Detectable Underground Warning Tape

SPECIFICATIONS

Designed as a three-layer sandwich with a layer of foil encased between two layers of plastic. Consists of a nominal 5 mil (0.005") overall thickness construction with no less than a 35 gauge (0.00035") solid aluminum foil core. The foil must be visible from both sides. No inks or printing extend to the edges of the tape. All printing is encased to avoid ink rub-off. Tape is specified and supplied in accordance with the APWA National Color Code.

TEST DATA

Property	Method	Value
Thickness	ASTM D2103	5 mils (nominal)
Tensile Strength	ASTM D-882	22 lbs./in. width (4782 psi)
Elongation	ASTM D-882	50% at break
Printability	ASTM D2578	>40 dynes/cm²

APPROVALS

A. Department of Transportation, Materials Transportation Bureau, Office of Pipeline Safety—USAS Code for Pressure Piping, B31.8, paragraph 192.321 (e).

B. National Transportation Safety Board, Washington, D.C., Special Study Prevention of Damage to Pipeline, Adopted June 7, 1973-Report NTSB-PSS-73-1.

C. American Petroleum Institute (API), Recommended Practice For Marking Buried Liquid Petroleum Pipelines—API RP 1109.

D. General Services Administration, Washington, D.C., Public Buildings Service Guide Specification for Mechanical & Electrical Equipment—PBS 4-1501, Amendment 2, page 1501-14, paragraph 18, subparagraph 18.1, clause 18.1.1.

E. Rural Electrification Authority (REA), U.S. Dept of Agriculture, Washington, D.C., National Electrical Safety Code for Underground Construction for Remote and Immediate Hazards.

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THORTEC® Reinforced Detectable Underground Warning Tape

SPECIFICATIONS

ThorTec is a metal detectable tape with a 35 gauge (0.00035") solid aluminum foil core with permanent printing under a protective layer to maintain the integrity and legibility of your beneath-ground sign. The foil is visible from both sides. No inks or printing extend to the edges of the tape. Consists of a nominal 7 mil (0.007") overall thickness. Bottom layer is warp oriented, coated and closed cross-woven, ultra-high molecular weight, 100% virgin polyethylene.

TEST DATA

Property	Method	Value
Thickness	ASTM D2103	7 mils (nominal)
Tensile Strength	ASTM D-882	95 lbs./in. width (13,970 psi)
Elongation	ASTM D-882	0%
Printability	ASTM D2578	>40 dynes/cm²

APPROVALS

A. Department of Transportation, Materials Transportation Bureau, Office of Pipeline Safety—USAS Code for Pressure Piping, B31.8, paragraph 192.321 (e).

B. National Transportation Safety Board, Washington, D.C., Special Study Prevention of Damage to Pipeline, Adopted June 7, 1973-Report NTSB-PSS-73-1.

C. American Petroleum Institute (API), Recommended Practice For Marking Buried Liquid Petroleum Pipelines—API RP 1109.

D. General Services Administration, Washington, D.C., Public Buildings Service Guide Specification for Mechanical & Electrical Equipment—PBS 4-1501, Amendment 2, page 1501-14, paragraph 18, subparagraph 18.1, clause 18.1.1.

E. Rural Electrification Authority (REA), U.S. Dept of Agriculture, Washington, D.C., National Electrical Safety Code for Underground Construction for Remote and Immediate Hazards.

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