

Part #
MTP31000, MTP61000

Technical Data Sheet

Scope

This specification covers the material, physical/aesthetic dimensions, and mechanical properties of the detectable tape as manufactured by ACP International.

Detectable Tape

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This specification covers the material, physical/aesthetic dimensions, and mechanical properties of the detectable tape as manufactured by ACP International.

Technical Description, Design, and Materials

ACP International detectable tape shall be made from a strip of aluminum foil laminated in between polyester and polyethylene sheeting.

Detectable tape shall be an underground marking solution to serve as a last line of defense to prevent accidental digging up of cables and pipe. It shall be especially treated so as to not degrade or fade upon exposure to alkalis, acids, or any other destructive elements under ground.

Detectable Tape shall be traceable with a metal detector.

Detectable tape shall have a background color that matches the APWA color code system:

- Red - Electrical/Power Line/Cables
- Blue - Water Lines/Potable Water
- Orange - Telephone/Communication/Alarms
- White - General Construction/Proposed Excavation
- Green - Sewer Lines/Drain Lines
- Yellow - Gas/Oil/Petroleum
- Purple - Reclaimed Water/Irrigation/Slurry Lines

The tape shall be printed with black text.



IMPORTANT NOTICE: ACP International trusts that the user of the product has the most accurate knowledge of how the product might be most efficiently or safely utilized in any given application or environment.

ACP International trusts that the technical data and product information shown is based on thorough and accurate testing of the product, but is not liable for any loss or damage to the product (or by any other product, employee, or building from which the product might come into direct or indirect contact) resulting from an intentional or unintentional mishandling of the product.

Engineering Specifications

Detectable Tape

	Drawn By:	Approved By:	Date:
	J.Y. Rollins	M. Prince	07/08/16

Detectable Tape

Dimensions

ACP International detectable tape shall be wound in 1000' rolls, available in widths of both 3" and 6", and in 5 mil thickness. Part numbers are defined as follows:

Part No.	Description
MTP31000:	3" x 1000' x 5 mil
MTP61000:	6" x 1000' x 5 mil

Mechanical Properties

ACP International detectable tape has the following mechanical properties:

Property	Test Method (ASTM)	Typical Values
Elongation	D 88280A	MD 80%, TD 139%
Density	D 792-66	1.090 (GM/CC)
Tensile Strength	D 882	7800 PSI
Coefficient of Friction	D 3248-73	Static 0.247
Flexibility	D 671-76	Pliable Hand

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Special Properties

Build America, Buy America (BABA) Compliance and the American Iron and Steel (AIS) requirements:

The general categories of Utility Infrastructure Marking Products by ACP International, Inc., dba or branded as ACP International, SA-SO, Capital Streetscapes, Concrete Graphics, and Stonehouse Signs, is compliance with BABA. Regarding steel content, this product is made primarily of components other than steel. The total steel content falls under the De Minimus waiver of the AIS requirements.

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Drawn By:
Jim Rollins

Approved By:
ACP Marketing

Date Created:
4/22/2025

Date Reviewed:
8/28/2026