

**BRADY B-721 DETECTABLE IDENTOLINE® UNDERGROUND LINE WARNING TAPE**

TDS No. B-721  
 Effective Date: 02/15/2001

**Description:**  
 Brady B-721 is a printed foil laminate tape.

**Details:**



**Use:**  
 B-721 is used as an aid in locating buried utility lines. It is installed below ground level directly over the line it protects.

**Special Properties:**  
 B-721 can be detected at depths up to 18 inches with most inexpensive radio type metal detectors.

**Substrate Type:**  
 Aluminum foil core sandwiched between two layers of polyester. The top layer is subsurface printed.

**Standard Material Colors:**  
 Blue, green, orange, red, and yellow

**Standard Legend Color:**  
 Black

**Thickness (ASTM D 1593):**  
 0.005 in. (0.13 mm)

**Tensile Strength (ASTM D 638):**  
 25 lb/in. (740 N/100 mm)

**Elongation (ASTM D 638):**  
 50%

**Abrasion Resistance (Method 5306 of U.S. Federal Test Method Std. No. 191A):**  
 CS-10 wheels, 250 g wts.  
 Legend withstands up to 10,000 cycles

**Simulated Underground Burial Test:**  
 (A solution of pH 7.1 prepared by adding 50% sulfuric acid to a 10% (wt.) solution of Na<sub>2</sub>S•9H<sub>2</sub>O in water.)  
 No discoloration of film or bleed of legend.

**Chemical Resistance:**

REAGENT	7 DAY IMMERSION	DIP TEST
30% Sulfuric Acid	F	F
10% Sulfuric Acid	F	F
30% HCl	F	NE
10% HCl	F	NE
50% NaOH	F	F
10% NaOH	F	NE
Methyl Ethyl Ketone	F	NE

Acetone	F	NE
1,1,1-Trichloroethane	F	NE
Methanol	NE	NE
IPA (Isopropanol)	NE	NE
ASTM #3 Oil	NE	NE
SAE 20 Oil	NE	NE
Alconox®	NE	NE
Toluene	F	F
Mineral Spirits	F	NE
Glacial Acetic Acid	F	NE
5% Acetic Acid	NE	NE
Diesel Fuel	F	NE
Heptane	F	NE
Cellosolve Acetate	F	NE
Conc. Ammonia	NE	NE
10% Ammonia	NE	NE
Turpentine	F	NE
Kerosene	F	NE
Water	NE	NE
Gasoline	F	F

NE = No Effect

NT = Not Tested

F = Failed (affected Sample)

7 Day Immersion: Immersed in reagent for 7 days.

Dip Test: Five 10 minute dips in reagent with 30 minute recovery.

**Shelf Life:**

Indefinite when stored at 70°F (21°C) and 40% to 50% R.H.

**Trademarks:**

Alconox® is a registered trademark of Alconox Co.

Identoline® is a registered trademark of Brady Worldwide, Inc.

Signmark® is a registered trademark of Brady Worldwide, Inc.

ASTM: American Society for Testing and Materials (U.S.A.)

SAE: Society of Automotive Engineers (U.S.A.)

All S.I. Units (metric) are mathematically derived from the U.S. Conventional Units.

**Note:** All values shown are averages and should not be used for specification purposes.

Test data and test results contained in this document are for general information only and shall not be relied upon by Brady customers for designs and specifications, or be relied on as meeting specified performance criteria. Customers desiring to develop specifications or performance criteria for specific product applications should contact Brady for further information.

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