

## Search Technical Data Sheets



## Technical Data Sheet

### BRADY B-720 IDENTOLINE® UNDERGROUND WARNING TAPE

TDS No. B-720

Effective Date: 15-Feb-2001

**Description:**

Brady B-720 is a printed plastic tape that has no adhesive.

**Details:**



**Use:**

Brady B-720 is used to identify the location and direction of buried utility lines and pipes. It is installed below ground level, directly over the line it protects.

**Substrate Type:**

Polyethylene

**Standard Material Colors:**

Yellow, orange, blue, red, and green

**Standard Legend Color:**

Black

**Thickness (ASTM D 1593):**

0.0035 in. (0.89 mm)

**Tensile Strength (ASTM D 638):**

7 lb/in. (123 N/100mm)

**Elongation (ASTM D 638):**

300%

**Abrasion Resistance (Method 5306 of U.S. Federal Test Method Std. No. 191A):**

CS-10 wheels, 250 g wts.

Legend withstood up to 1100 cycles

**Simulated Underground Burial Test:**

(A solution at 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	RUB TEST
30% Sulfuric Acid	F	F	F

10% Sulfuric Acid	F	F	NE
30% HCl	NE	NE	F
10% HCl	NE	NE	NE
50% NaOH	NE	NE	NE
10% NaOH	NE	NE	NE
Methyl Ethyl Ketone	F	NE	F
Acetone	F	NE	F
1,1,1-Trichloroethane	F	NE	F
Methanol	F	F	F
IPA (Isopropanol)	F	NE	F
ASTM #3 Oil	NE	NE	F
SAE 20 Oil	NE	NE	F
Alconox®	F	F	NE
Toluene	F	NE	F
Mineral Spirits	F	NE	F
Glacial Acetic Acid	F	F	F
5% Acetic Acid	NE	NE	NE
Diesel Fuel	NE	NE	F
Heptane	F	NE	F
Cellosolve Acetate	F	NE	F
Conc. Ammonia	NE	NE	NE
10% Ammonia	NE	NE	NE
Turpentine	F	F	F
Kerosene	F	NE	F
Water	NE	NE	NE
Gasoline	F	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.

Rub Test: Rubbed sample for 1minute with swab soaked in reagent.

#### **Shelf Life:**

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

#### **Trademarks:**

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

Identoline® 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.

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