

BRADY B-720 IDENTOLINE® UNDERGROUND WARNING TAPE

TDS No. B-720

Effective Date: 02/15/2001

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 $\text{Na}_2\text{S} \cdot 9\text{H}_2\text{O}$ 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.

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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