

**BRADY B-826 VINYL FILM**

TDS No. B-826  
Effective Date: 02/15/2001

**Description:**

Brady B-826 is a computer printed, flexible vinyl film with a cold temperature applicable pressure sensitive adhesive.

**Details:**

**Use:**

Brady B-826 is used for marking bins in cold storage warehouses.

**Special Properties:**

Can be applied at 0°F (-18°C)

**Adhesive Type:**

Pressure sensitive acrylic

**Substrate Type:**

Vinyl film

**Standard Material Colors:**

White

**Standard Legend Color:**

Black

**Thickness (PSTC-33):**

Substrate: 0.004 in. (0.100mm)  
Adhesive: 0.001 in. (0.025mm)  
Total: 0.005 in. (0.125mm)

**Tensile Strength (PSTC-31):**

Break: 12 lb/in. (215 N/100mm)

**Elongation (PSTC-31):**

Break: 55%

**Adhesive Properties:**

Adhesion to Steel (PSTC-1)  
15 Minute Dwell (Avg.) -- 70 oz/in. (76 N/100mm)  
Tack (ASTM D 2979) (Avg.) -- 650 g (6.4 N)  
Drop Shear (PSTC-7) (Avg.) -- 2 Hrs.

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

CS-10 wheels, 250 g wts.  
Legend withstands up to 1000 cycles.  
CS-17 wheels, 1000 g wts.  
Substrate withstands up to 4500 cycles.

**Gloss:**

2 Gardner Units

**Minimum Application Temperature:**

0°F (-18°C)

**Service Temperature:**

-50°F to 200°F (-46°C to 93°C)

**Chemical Resistance:**

5% Acetic Acid

REAGENT	7 DAY IMMERSION	DIP TEST	RUB TEST
30% Sulfuric Acid	NE	NE	NE
10% Sulfuric Acid	NE	NE	NE
30% HCl	NE	NE	NE
10% HCl	NE	NE	NE
50% NaOH	F	NE	NE
10% NaOH	F	NE	NE
Methyl Ethyl Ketone	F	F	NE
Acetone	F	F	NE
1,1,1-Trichloroethane	F	F	NE
Methanol	F	F	F
IPA (Isopropanol)	F	NE	NE
ASTM #3 Oil	NE	NE	NE
SAE 20 Oil	NE	NE	NE
Alconox®	NE	NE	NE
Toluene	F	NE	NE
Mineral Spirits	F	NE	NE
Glacial Acetic Acid	NE	NE	NE
F	F	F	
Diesel Fuel	F	NE	NE
Heptane	F	F	NE
10% Ammonia	NE	NE	NE
Kerosene	F	NE	NE
Water	F	F	NE
20% Sodium Carbonate	NE	NE	NE
2% Sodium Carbonate	NE	NE	NE
10% NaCl	NE	NE	NE
Bleach	NE	NE	NE

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 1 minute with swab soaked in reagent.

**Shelf Life:**

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

**Trademarks:**

Alconox® is a registered trademark of Alconox Co.

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

PSTC: Pressure Sensitive Tape Council (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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