

**BRADY B-934 VINYL FILM FOR USE IN THE GRAPHICS PRO(TM) LABEL AND SIGN CREATOR.**

TDS No. B-934  
 Effective Date: 11/15/2010

**Description:**

Brady B-934 is a vinyl film with pressure sensitive adhesive designed for use with the GraphicsPro™ Label & Sign Creator.

**Details:**

**Use:**

Brady B-934 is used for general labeling and marking, indoors and outdoors.

**Substrate Type:**

Vinyl film

**Standard Material Colors:**

White, black, yellow, orange, red, blue, green, brown, gray and clear

**Standard Legend Colors:**

Black, white, red, green, blue, yellow, magenta and cyan

**Thickness (PSTC-33):**

Total: 0.0045 in. (0.114mm)

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

Break: 11 lb/in. (190 N/100mm)

**Elongation (PSTC-31):**

Break: 100%

**Adhesive Properties:**

Adhesion to Steel (PSTC-1)  
 15 Minute Dwell (Avg.) -- 68 oz/in. (74 N/100mm)  
 Ultimate Dwell (72 Hrs.) (Avg.) -- 94 oz/in. (103 N/100mm)  
 Tack (ASTM D 2979) (Avg.) -- 900 g (8.9 N)  
 Drop Shear (PSTC-7) (Avg.) -- 25.0 Hrs.

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

CS-10 wheels, 250 g wts.  
 The printed legend withstands up to 160 cycles.

**Gloss:**

48 Gardner Units (60° gloss)

**Minimum Application Temperature:**

50°F (10°C)

**Service Temperature:**

-40°F to 176°F (-40°C to 80°C)

**Average Outdoor Durability:**

3-5 years (Average expected outdoor life of product will depend on user definition of failure and climatic conditions, mounting techniques and material color.)

**Chemical Resistance:**

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	NE	NE	NE
10% NaOH	NE	NE	NE
Methyl Ethyl Ketone	F	F	F
Acetone	F	F	F
1,1,1-Trichloroethane	F	F	F
Methanol	NE	NE	F
IPA (Isopropanol)	NE	NE	NE
ASTM #3 Oil	NE	NE	NE
SAE 20 Oil	NE	NE	NE
Alconox®	F	NE	NE
Toluene	F	F	F
Mineral Spirits	NE	NE	NE
Glacial Acetic Acid	F	NE	F
5% Acetic Acid	NE	NE	NE
Diesel Fuel	NE	NE	NE
Heptane	NE	NE	F
Cellosolve Acetate	F	F	F
Conc. Ammonia	NE	NE	NE
10% Ammonia	NE	NE	NE
Turpentine	F	NE	F
Kerosene	NE	NE	NE
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 1 minute with swab soaked in reagent.

Product testing, customer feedback, and history of similar products, support a customer performance expectation of at least **two years from the date of receipt** for this product as long as this product is stored in its original packaging in an environment *below 80°F (27°C) and 60% RH*. We are confident that our product will perform well beyond this time frame. However, it remains the responsibility of the user to assess the risk of using such product. We encourage customers to develop functional testing protocols that will qualify a product's fitness for use in their actual applications.

#### Trademarks:

Alconox® is a registered trademark of Alconox Co.

GraphicsPro™ is a trademark of Brady Worldwide, Inc.

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

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.

Product compliance information is based upon information provided by suppliers of the raw materials used by Brady to manufacture this product or based on results of testing using recognized analytical methods performed by a third party, independent laboratory. As such, Brady makes no independent representations or warranties, express or implied, and assumes no liability in connection with the use of this information.

#### WARRANTY

Brady products are sold with the understanding that the buyers will test them in actual use and determine for themselves their adaptability to their intended uses. Brady warrants to the buyers that its products are free from defects in material and

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