

## BRADY B-569 HIGH PERFORMANCE POLYESTER TAPE

TDS No. B-569

Effective Date: 08/26/2011

### **Description:**

Brady B-569 is a polyester label stock with permanent pressure sensitive adhesive.

### **Details:**



### **Use:**

Brady B-569 is designed for use with the Brady Labelizer® Plus Industrial Labeling System and the VersaPrinter™ Label and Sign Maker System, PowerMark® Sign and Label Maker and GlobalMark™ Industrial Label Maker. Brady B-569 is designed for use on stainless steel pipes in harsh environments such as the Pulp and Paper Industry.

### **Adhesive Type:**

Permanent pressure sensitive acrylic

### **Substrate Type:**

Polyester film

### **Standard Material Colors:**

White, clear, yellow, blue, red, green, and magenta

### **Standard Legend Colors:**

Black, white, red, and magenta

### **Thickness (PSTC-33):**

Total: 0.003 in. (0.076mm)

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

45 lb/in. (790 N/100mm)

### **Elongation (PSTC-31):**

80%

### **Adhesive Properties:**

Adhesion to Steel (PSTC-1)

15 Minute Dwell (Avg.) -- 60 oz/in. (65 N/100mm)

Ultimate Dwell (72 Hrs.) (Avg.) -- 75 oz/in. (82N/100mm)

Tack (ASTM D 2979) (Avg.) -- 1000 g

### **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 100 cycles.

CS-17 wheels, 1000 g wts.

Substrate withstands over 3000 cycles.

### **Gloss:**

80 Gardner Units (100+ Gardner Units on clear)

### **Minimum Application Temperature:**

0°F (-18°C)

**Service Temperature:**

-40°F to 212°F (-40°C to 100°C)

**Average Outdoor Durability:**

3 to 5 years

**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              | F               | NE       | NE       |
| 10% NaOH              | F               | NE       | NE       |
| Methyl Ethyl Ketone   | F               | F        | F        |
| Acetone               | F               | F        | F        |
| 1,1,1-Trichloroethane | F               | F        | F        |
| Methanol              | F               | NE       | F        |
| IPA (Isopropanol)     | F               | NE       | NE       |
| ASTM #3 Oil           | NE              | NE       | NE       |
| SAE 20 Oil            | NE              | NE       | NE       |
| Alconox®              | NE              | 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       | F        |
| Heptane               | F               | 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               | NE       | 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 30 seconds 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 degrees 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:**

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

Alconox® is a registered trademark of Alconox Co.

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

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

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

PSTC: Pressure Sensitive Tape Council (U.S.A.)

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

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

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

VersaPrinter™ is a trademark of Brady Worldwide, Inc.

**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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