

## BRADY B-529 POLYPROPYLENE PRESSURE SENSITIVE ADHESIVE FILM

TDS No. B-529  
Effective Date: 11/10/2010

### **Description:**

Brady B-529 is a polypropylene film with an acrylic pressure sensitive adhesive, designed for use with the HandiMark® Portable Label Maker.

### **Details:**



### **Use:**

B-529 is designed for printing indoor labels.

### **Adhesive Type:**

Pressure sensitive acrylic

### **Substrate Type:**

Polypropylene film

### **Standard Material Colors:**

White

### **Standard Legend Color:**

Black, red, blue, green, yellow and magenta

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

0.0035 in. (0.09 mm)

### **Gloss (ASTM D523):**

60° - 80 Gardner Units

### **Adhesive Properties:**

Adhesion to Steel (PSTC-1)

15 Minute Dwell (Avg.) - 45 oz/in. (49 N/100mm)

Ultimate Dwell (72 Hrs.) (Avg.) - 83 oz/in. (91 N/100mm)

Tack (ASTM D 2979) (Avg.) - 1483 g. (14.5 N)

### **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 125 cycles.

### **Minimum Application Temperature:**

50°F (10°C)

### **Service Temperature:**

-40°F to 212°F (-40°C to 100°C)

### **Average Outdoor Durability:**

Not Recommended

### **Chemical Resistance:**



REAGENT	7 DAY IMMERSION	DIP TEST	RUB TEST
30% Sulfuric Acid	NE	NE	NE
10% Sulfuric Acid	NE	NE	NE
30% Hydrochloric Acid	NE	NE	NE
10% Hydrochloric Acid	NE	NE	NE
Glacial Acetic Acid	F	F	F
5% Acetic Acid	NE	NE	NE
50% Sodium Hydroxide	NE	NE	NE
10% Sodium Hydroxide	F	NE	NE
10% Ammonia	F	NE	NE
5% Sodium Hypochlorite	F	NE	NE
Methyl Ethyl Ketone	F	F	F
Acetone	F	F	F
Toluene	F	F	F
1,1,1 - Trichloroethane	F	F	F
Methanol	F	F	F
Isopropyl Alcohol	F	F	F
Heptane	F	NE	NE
Mineral Spirits	F	NE	NE
Turpentine	F	NE	F
Kerosene	F	NE	NE
Diesel Fuel	F	NE	NE
Gasoline	F	NE	F
ASTM #3 Oil	NE	NE	NE
SAE 20 Oil	NE	NE	NE
10% Sodium Chloride	NE	NE	NE
Alconox®	F	NE	NE
Water	NE	NE	NE

NE = No Effect

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:**

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HandiMark® is a registered 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.)

**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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