

## **BRADY B-7569 VINYL FILM WITH PERMANENT ADHESIVE**

TDS No. B-7569

Effective Date: 10/20/2011

### **Description:**

Brady B-7569 is a thermal transfer printable flexible vinyl film coated with a permanent pressure sensitive acrylic adhesive.

B-7569 is designed to be used with the MINIMARK™, Globalmark®, Powermark® and BBP® 31, BBP® 33, BBP® 35, BBP® 37 printers (per regional availability) as well as for pre-printed labeling and floor marking.

### **Details:**

#### **Use:**

B-7569 is used for Pipe Markers, Arrow Tape, Warehouse Marking, Floor Marking, Warning Panels, Safety Signs and Hazardous Substance Identification.

#### **Special Properties:**

Permanent acrylic adhesive

#### **Substrate Type:**

Vinyl film

#### **Standard Material Colors:**

White, red, yellow, green, blue, orange and black

#### **Recommended ribbons**

##### **MINIMARK™:**

Standard performance black and white (R-7968), red, green and blue (R-7969)

High performance black (R-6000), white, red, green and blue (R-4400)

##### **Globalmark®, Powermark®:**

Standard Ribbons

##### **BBP® 31:**

R-10000

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

Total: 0.105 mm (0.004 in.)

#### **Adhesive Properties:**

Adhesion to Stainless Steel (PSTC-1)

Ultimate Dwell (72 Hrs.) (Avg.) -- 130 N/100mm (120 oz/in)

Adhesion to Powder Coated Metal (PSTC-101)

Ultimate Dwell (72 Hrs.) -- 50 N/100mm (45 oz/in)

Adhesion to Polypropylene (PSTC-101)

Ultimate Dwell (72 Hrs.) (Avg.) -- 60 N/100mm (55 oz/in)

Adhesion to Textured ABS (PSTC-101)

Ultimate Dwell (72 Hrs.) (Avg.) -- 25 N/100mm (25 oz/in)

Tack (ASTM D 2979) (Avg.) -- 700 g (7 N)

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

CS-10 wheels, 250 g wts.

After 100 cycles the legend printed with R-7968 has a moderate fading

Print legible up to 300 cycles with R-10000 ribbon

Print legible up to 500 cycles with R-4400 ribbon

Print legible up to 1000 cycles with R-6000 ribbon

**Minimum Application Temperature**

10°C (50°F)

**Service Temperature**

-20°C to 75°C (-4°F to 167°F)

**Average Outdoor Durability:**

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

**Chemical Resistance:**

Samples were printed with the standard performance ribbons R-7968/R-7969 and the high performance ribbons R-6000/R-4400 using the MINIMARK™ thermal transfer printer. Additional samples were printed with the R-10000 ribbon using the BBP® 31 thermal transfer printer. Printed samples were laminated to aluminum and allowed to dwell 24 hours prior to testing. Testing conducted at room temperature. Testing consisted of 5 cycles of 10 minute immersions in the specified test fluid followed by a 30 minute recovery period. After final immersion the samples were rubbed 10 times with a cotton swab saturated with test fluid.

| Reagent                      | R-10000 Ribbons |          | Standard Performance Ribbons |          | High Performance Ribbons |          |
|------------------------------|-----------------|----------|------------------------------|----------|--------------------------|----------|
|                              | Dip Test        | Rub Test | Dip Test                     | Rub Test | Dip Test                 | Rub Test |
| <b>Acids</b>                 |                 |          |                              |          |                          |          |
| 30% Sulfuric Acid            | NE              | NE       | NE                           | NE       | NE                       | NE       |
| 10% Sulfuric Acid            | NE              | NE       | NE                           | NE       | NE                       | NE       |
| 30% Hydrochloric Acid        | NE              | NE       | NE                           | NE       | NE                       | NE       |
| 10% Hydrochloric Acid        | NE              | NE       | NE                           | NE       | NE                       | NE       |
| Glacial Acetic Acid          | F               | F        | F                            | F        | F                        | F        |
| 5% Acetic Acid               | NE              | NE       | NE                           | NE       | NE                       | NE       |
| <b>Bases</b>                 |                 |          |                              |          |                          |          |
| 50% NaOH                     | NE              | NE       | NE                           | F        | NE                       | NE       |
| 10% NaOH                     | NE              | NE       | NE                           | NE       | NE                       | NE       |
| 10% Ammonia                  | NE              | NE       | NE                           | NE       | NE                       | NE       |
| 5% Sodium Hypochlorite       | NE              | NE       | NE                           | NE       | NE                       | NE       |
| 10% Sodium Chloride          | NE              | NE       | NE                           | NE       | NE                       | NE       |
| <b>Cleaners and Solvents</b> |                 |          |                              |          |                          |          |
| MEK                          | F               | F        | F                            | F        | F                        | F        |
| Acetone                      | F               | F        | F                            | F        | F                        | F        |
| Toluene                      | F               | F        | F                            | F        | F                        | F        |
| Methanol                     | NE              | F        | NE                           | F        | NE                       | NE       |
| Isopropyl Alcohol            | NE              | NE       | NE                           | F        | NE                       | NE       |
| Heptane                      | NE              | NE       | NE                           | NE       | NE                       | NE       |
| Mineral Spirits              | F               | F        | NE                           | NE       | NE                       | NE       |

|                                     |            |            |    |    |    |    |
|-------------------------------------|------------|------------|----|----|----|----|
| Turpentine                          | F          | F          | NE | F  | NE | F  |
| Alconox®                            | NE         | NE         | NE | NE | NE | NE |
| DI Water                            | NE         | NE         | NE | NE | NE | NE |
| Ethanol                             | Not Tested | Not Tested | NE | NE | NE | NE |
| Formula 409®                        | Not Tested | Not Tested | NE | NE | NE | NE |
| Bioact® EC-7R™                      | Not Tested | Not Tested | F  | F  | F  | F  |
| Northwoods™ Buzz Saw                | Not Tested | Not Tested | NE | F  | NE | NE |
| <b>Fuels, Oils &amp; Lubricants</b> |            |            |    |    |    |    |
| Diesel Fuel                         | NE         | NE         | NE | NE | NE | NE |
| Gasoline                            | F          | F          | F  | F  | F  | F  |
| ASTM #3 Oil                         | NE         | NE         | NE | NE | NE | NE |
| SAE 20 Oil                          | NE         | NE         | NE | NE | NE | NE |

NE = No Effect

F = Failed (affected sample)

Shelf Life and Fitness for Use: Product testing, customer feedback, and history of similar products, support a customer performance expectation of one year 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. 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.

BBP® 31 is a registered trademark of Brady Worldwide, Inc.

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

EC-7R™ is a trademark of Petroferm Inc.

Formula 409® is a registered trademark of the Chlorox Company

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

MINIMARK™ is trademark of Brady Worldwide, Inc.

Northwoods™ is a trademark of the Superior Chemical Corporation

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.)

**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 representation 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 workmanship, but limits its obligations under this warranty to replacement of the product shown to Brady's satisfaction to have been defective at the time Brady sold it. This warranty does not extend to any persons obtaining the product from the buyers. This warranty is in lieu of any other warranty, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose, and any other obligations or liability on Brady's part. Under no circumstances will Brady be liable for any loss, damage, expense, or consequential damages of any kind arising in connection with the use, or inability to use, Brady's products.

Copyright 2017 W.H. Brady, N.V. | All Rights Reserved  
Material may not be reproduced or distributed in any form without written permission

---

Brady Europe | Poldergotestraat 9 | 9240 Zele | Belgium | Tel: +32 52.45.7811 | Fax: +32 52.45.7812