

## BRADY B-736 ECONOMY PIPE MARKERS ON A ROLL

TDS No. B-736

Effective Date: 11/15/2010

### **Description:**

Brady B-736 Pipe Markers on a Roll are a surface printed film, liner mounted with a pressure sensitive adhesive.

### **Details:**



### **Use:**

Brady B-736 is an economy pipe marker ideal for use on clean, dry pipes. Each marker has a diecut design which enables each label and arrow to be applied in the selected flow directions.

### **Adhesive Type:**

Permanent pressure sensitive

### **Substrate Type:**

Plastic film

### **Standard Material Colors:**

Blue, green, red and yellow

### **Standard Legend Colors:**

Black and white

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

Total: 0.033 in. (0.083 mm)

### **Adhesive Properties:**

Adhesion to Steel (PSTC-1)

15 Minute Dwell (Avg.) - 20 oz/in. ( 21.9 N/100mm)

Ultimate Dwell (72 Hrs.) (Avg.) - 25 oz/in. ( 27.4 N/100mm)

Tack (ASTM D 2979) (Avg.) -- 674 g (6.6 N)

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

CS-10 wheels, 250 g wts.

Legend withstands up to 200 cycles.

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

60° - 80-95 Gardner Units

### **Minimum Application Temperature:**

50°F (10°C)

### **Service Temperature:**

-40°F to 212°F (-40°C to 100°C)

### **Average Outdoor Durability:**

Up to 2 years (Average expected outdoor life of product will depend on user definition of failure, climatic conditions and mounting techniques.)

### **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             | NE              | NE       | NE       |
| 5% Sodium Hypochlorite  | NE              | NE       | NE       |
| Methyl Ethyl Ketone     | F               | F        | F        |
| Acetone                 | F               | F        | F        |
| Toluene                 | F               | F        | F        |
| 1,1,1 - Trichloroethane | NE              | NE       | F        |
| Methanol                | F               | F        | F        |
| Isopropyl Alcohol       | F               | F        | NE       |
| Heptane                 | F               | NE       | NE       |
| Mineral Spirits         | F               | NE       | NE       |
| Turpentine              | F               | NE       | NE       |
| Kerosene                | F               | NE       | NE       |
| Diesel Fuel             | F               | NE       | NE       |
| Gasoline                | F               | NE       | NE       |
| 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:

Alconox® is a registered trademark of Alconox Co.

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.

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