

## BRADY B-957 REFLECTIVE SHEETING

TDS No. B-957  
Effective Date: 11/19/2010

### **Description:**

Brady B-957 is a reflective sheeting backed with a pressure sensitive adhesive.

### **Details:**



### **Use:**

Brady B-957 is used for utility plant markings, Reflective Bradystake™ Warning Stakes, reflective warning stripes, checks and solid color.

### **Adhesive Type:**

Permanent pressure sensitive

### **Substrate Type:**

Acrylic retroreflective sheeting

### **Standard Material Colors:**

White, Yellow and Orange

### **Standard Legend Colors:**

Black, orange and red

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

Total: 0.011 - 0.013 in. (0.28 - 0.33mm)

### **Adhesive Properties:**

Adhesion to Steel (PSTC-1)  
15 Minute Dwell (Avg.) -- Destroys  
Ultimate Dwell (72 Hrs.) (Avg.) -- Destroys  
Tack (ASTM D 2979) (Avg.) -- 450 - 550 g (4.3 - 5.3 N)  
Drop Shear (PSTC-7) (Avg.) -- 50 Hrs.

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

CS-10 wheels, 250 g wts.  
Legend withstands up to 400 cycles.  
Substrate withstands up to 10,000 cycles.

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

60° - 85 Gardner Units

### **Reflectivity:**

Reflectivity: Type 1 (Fed. Spec. L-S-300)

### **Minimum Application Temperature:**

65°F (18°C)

### **Service Temperature:**

-40°F to 160°F (-40°C to 70°C)

**Average Outdoor Durability:**

4-6 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	F	NE	NE
10% Sulfuric Acid	NE	NE	NE
30% HCl	F	NE	NE
10% HCl	F	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	F	NE
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
Diesel Fuel	NE	NE	NE
Heptane	F	F	NE
Kerosene	NE	NE	NE
Water	NE	NE	NE
Gasoline	NE	NE	NE
10% NaCl	NE	NE	NE
Bleach	NE	NE	NE

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:**

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Bradystake™ 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.)

Fed. Spec.: United States Federal Specification (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.

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