

## BRADY B-193 BRADYGUARD (TM) PROPERTY NAMEPLATES

TDS No. B-193

Effective Date: 10/31/2017

### Description:

Brady Bradyguard (TM) Property Nameplates and Property ID Tags are a high quality anodized aluminum foil tag with a permanently etched legend that withstands both indoor and outdoor exposure.

### Details:

#### Use:

Brady B-193 tags are used as a durable asset identification tag, where consecutive numbering may be needed in an office or manufacturing environment.

#### Substrate Type:

Anodized aluminum

#### Adhesive Type:

3M #467 - permanent pressure sensitive adhesive for most smooth non-plastic surfaces.

3M #468 - permanent pressure sensitive adhesive for rough or textured non-plastic surfaces.

3M #9471 - permanent pressure sensitive adhesive for smooth plastic surfaces.

3M #9472LE - permanent pressure sensitive adhesive for textured plastic surfaces.

#### Standard Material Colors:

Black, Light Blue, Dark Blue, Brown, Bronze, Dark Green, Gold, Dark Red, Flame Red, Purple, Yellow.

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

3M #467 - .005" (0.127mm)

3M #468 - .008" (0.203 mm)

3M #9471 - .005" (0.127 mm)

3M #9472LE - .008" (0.203 mm)

#### Adhesive Properties:

Adhesion to Stainless Steel (PSTC-1) (Avg.)

	3M #467	3M #468	3M #9471	3M #9472LE
15 minute dwell	destroyed	destroyed	destroyed	destroyed
Ultimate Dwell (72 hours)	destroyed	destroyed	destroyed	destroyed

Tack ASTM D 2979 (Avg.)

	3M #467	3M #468	3M #9471	3M #9472LE
15 minute dwell	1618 g (15.9 N)	1538 g (15.1 N)	1234 g (12.1 N)	1750 g (17.2 N)

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

CS-10 Wheels, 500 g wts.

Legend withstands up to 1000 cycles

#### 60° Gloss:

38 Gardner Units

#### Minimum Application Temperature:

40°F (4°C)

#### Service Temperature:

-40°F to 300°F (-40°C to 149°C)

**Application Temperature:**

40°F (4°C)

**Average Outdoor Durability:**

3-5 years (Average expected outdoor life of product will depend on user definition of failure, climatic conditions, mounting techniques and material color.)

**Chemical Resistance:**

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

Shelf life is 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. It remains the responsibility of the user to assess the risk of using this product. We encourage customers to develop testing protocols that will qualify a product's fitness for use in their actual application.

**Trademarks:**

Alconox® is a registered trademark of Alconox Co.

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

Fed. Spec.: United States Federal Specification (U.S.A.)

PSTC: Pressure Sensitive Tape Council (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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