

**Sustainable Plastic Sign**

TDS No. B-563  
Effective Date: 08/04/2010

**Description:**

Brady B-563 Sustainable Plastic Safety Signs made of 70% Post Consumer Waste

**Details:**

**Use:**

Brady B-563 Sustainability signs are designed for use in light duty industrial, utility, commercial, and institutional environments. Common uses include safety signs, utility signs, information signs, and equipment warning signs. The sign construction is recommended for both indoor and outdoor use.

**Material Construction:**

High Density Polypropylene

**Standard Background Colors:**

Yellow, White

**Standard Legend Colors:**

Black, white, red, blue, green and magenta

**Thickness (ASTM D 1593):**

Total: 0.055 in. ( 1.4 mm)

**Gloss (ASTM D 523):**

60° - 7 Gardner Units minimum

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

CS-10 wheels, 1000 g wts.  
Legend withstands up to 500 cycles

**Service Temperature:**

-40°F to 185°F (-40°C to 85°C)

**Average Outdoor Durability:**

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

**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	F	F	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% Sodium Chloride	NE	NE	NE
10% Ammonia	NE	NE	NE
5% Sodium Hypochlorite	NE	NE	NE
Methyl Ethyl Ketone	F	F	F

Acetone	F	F	F
Methanol	F	NE	F
Toluene	F	F	F
IPA (Isopropanol)	F	NE	F
Heptane	F	NE	F
Mineral Spirits	NE	NE	F
Turpentine	F	NE	F
Diesel Fuel	NE	NE	NE
Kerosene	F	NE	F
Gasoline	NE	F	NE
ASTM #3 Oil	NE	NE	NE
SAE 20 Oil	NE	NE	NE
Alconox®	NE	NE	NE
Water	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.

**Shelf Life:**

Unlimited when stored at 70°F (21°C) and 40% to 50% R.H.

**Trademarks:**

ANSI: American National Standards Institute (U.S.A.)

ASTM: American Society for Testing and Materials (U.S.A.)

Alconox® is a registered trademark of Alconox Co.

All S.I. Units (metric) are mathematically derived from the U.S. Conventional Units

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

OSHA: Occupational Safety & Health Administration

SAE: Society of Automotive Engineers (U.S.A.)

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**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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