

**B-463 COMMERCIAL GRADE PLASTIC**

TDS No. B-463  
Effective Date: 11/06/2017

**Description:**

**Use:**

Brady B-463 signs are designed for use in light duty industrial, utility, commercial, and institutional environments. Common uses include safety signs, information signs, and equipment warning signs. The sign construction is recommended for both indoor and outdoor use.

**Substrate Type:**

High impact polystyrene

**Standard Background Colors:**

White and yellow

**Standard Legend Colors:**

Black, white, red, blue, green, and magenta

**Thickness (PSTC-33):**

Total: 0.025 in. (0.64 mm)

**Gloss (60°):**

70 Gardner Units

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

CS-17 wheels, 1000 g wts.  
Legend withstands up to 300 cycles

**Service Temperature:**

-40°F to 140°F (-40°C to 60°C)

**Average Outdoor Durability:**

1-2 years (Average expected outdoor life of product will depend on user definition of failure and climatic conditions.)

**Chemical Resistance:**

Chemical	7 Day Immersion	Dip Test	Rub Test
30% Sulfuric Acid	NE	NE	NE
10% Sulfuric Acid	NE	NE	NE
30% Hydrochloric Acid	F	NE	NE
10% Hydrochloric Acid	NE	NE	NE
Glacial Acetic Acid	F	F	NE
5% Acetic Acid	NE	NE	NE
50% Sodium Hydroxide	NE	NE	NE
10% Sodium Hydroxide	NE	NE	NE
10% Ammonia	NE	NE	NE
5% Sodium Hypochlorite	NE	NE	NE
10% Sodium Chloride	NE	NE	NE
MEK	F	F	NE
Acetone	F	F	NE
Toluene	F	F	NE
Methanol	NE	NE	NE
Isopropyl Alcohol	NE	F	NE
Heptane	F	F	NE
Mineral Spirits	F	NE	NE
Turpentine	F	F	NE
Diesel Fuel	F	NE	NE
Kerosene	F	F	NE

Gasoline	F	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

F = Failed (affected sample)

**Shelf Life:**

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

**Details:**

**Trademarks:**

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

Alconox® is a registered trademark of Alconox Co.

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.

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