

**Brady B-869 Metal Detectable Encapsulated Signs and Tags**

TDS No. B-869  
Effective Date: 10/02/2015

**Description:**

Brady B-869 Toughwash™ Metal Detectable Encapsulated Signs and Tags are durable identification products with in-molded and protected graphics for use in harsh environments, including the Food and Beverage Processing Industry.

**Details:**

**Use:**

Brady B-869 signs and tags are designed for use in harsh environments, including Food and Beverage Processing and Industrial applications.

**Special Properties:**

Capable of being detected by commercially available metal detectors (individual detection levels will vary based on detector set up; Brady recommends testing signs and tags for detection before installation).

Durable sign and tag construction is tough against harsh washdown environments up to 1500 PSI and 175°F (80°C) from distances 6 inches and greater. Individual performance will vary based on application location and specific washdown conditions and procedures.

**Material Type:**

Polypropylene

**Standard Material Colors:**

White (can be printed with custom background colors to conform to OSHA, ANSI, and ISO Standards).

**Standard Legend Colors:**

Black, blue, green, magenta, orange, red, yellow, brown, and purple (Full process color capabilities available)

**Total Thickness (ASTM D 1593):**

Signs: 0.098 in. (2.49 mm)

Tags: 0.060 in. (1.52 mm)

**Pull-out Strength of Tags (ASTM D 638):**

84 lbs

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

CS-10 wheels, 1000g wts

Legend withstands up to 1500 cycles

**Service Temperature:**

-40°F to 176°F (-40°C to 80°C)

**Chemical Resistance:**

Reagent	Type	Condition	Substrate Performance	Print
<b>Performance</b>				
Enforce™ LP	chlorinated alkaline cleaner	50°C	NE	NE
HD PL-10™ Plus	inorganic acid cleaner	RT	NE	NE
Heavy Duty Acid LC-30	strong acid cleaner	70°C	NE	F
Soil Off™ II	alkaline/near neutral cleaner	50°C	NE	NE
Madisan 75	quarternary amine sanitizer	RT	NE	NE
Vortex™	peroxy acid/organic acid	50°C	NE	F
XY-12®	sodium hypochlorite sanitizer	RT	NE	NE

## **Performance Expectations**

The performance of ToughWash signs, tags and labels may vary based upon the specific environment it is subjected to (including variation in chemicals, water pressure, water temperature, and abrasive materials used during the wash down process). To ensure the performance meets user's requirements, ToughWash signs, tags and labels should be tested in user's specific environment with consistent monitoring. Please visit [BradyID.com/food](http://BradyID.com/food) to order test samples and view more detailed product technical specifications.

## **Trademarks:**

Enforce™ is a trademark of Ecolab USA Inc.

HD PL-10™ Plus is a trademark of Ecolab USA Inc.

OSHA: Occupational Safety & Health Administration

Soil Off™ II is a trademark of Ecolab USA Inc.

Toughwash® is a registered trademark of Brady Worldwide Inc.

Vortexx™ is a trademark of Ecolab USA Inc.

XY-12® is a registered trademark of Ecolab USA Inc.

**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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## **WARRANTY**

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