

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 |
|-----------------------|-------------------------------|-----------|-----------------------|-------|
| Performance | | | | |
| 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 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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