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Technical Data Sheet

BRADY B-837 HEAVY DUTY ENCAPSULATED TAGS

TDS No. B-837
Effective Date: 24-Jul-2009

Description:

Brady B-837 is printed paper sealed in a write on matte finish polyester pouch with a 3/8" grommet.

Details:

Use:

Brady B-837 is used for lockout and tagout identification. The 3/8" brass grommet is for added strength and is large enough to accept most locks. The polyester laminate protects the graphics, wipes clean, and withstands water, grease, and extreme temperatures. The write-on matte finish allows workers to personalize tags with pen, pencil, and marker. The heavy duty construction prevents accidental removal.

Special Properties:

Meets OSHA 50 lb. pull-out requirement.

Substrate Type:

Heavy duty polyester and paper

Standard Material Color:

White, yellow, blue, green, red, fluorescent orange, fluorescent red, fluorescent green and chartreuse

Standard Legend Colors:

Black, red, blue, green, orange and process for Photo ID

Thickness (ASTM D 1593-09):

Total: 0.020 - 0.025 in. (0.51 mm - 0.64 mm)

Pullout Strength (ASTM D-638-08)

Meets 50# OSHA requirement

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

H-22 wheels, 1000 g weights
Polyester laminate withstands up to 17000 cycles
Legend withstands up to 15000 cycles

Gloss (60°):

3.9 Gardner Units

Service Temperature:

-40°F to 175°F (-40°C to 80°C)

Average Outdoor Durability:

Up to 2 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	NE	NE	NE
10% Hydrochloric Acid	NE	NE	NE
50% Sodium Hydroxide	F	NE	NE
10% Sodium Hydroxide	F	F	NE
Methyl Ethyl Ketone	NE	NE	NE
Acetone	NE	NE	NE
Methanol	NE	NE	NE
IPA (Isopropanol)	NE	NE	NE
ASTM #3 Oil	NE	NE	NE
SAE 20 Oil	NE	NE	NE
Alconox®	NE	NE	NE
Toluene	F	NE	NE
Mineral Spirits	NE	NE	NE
Glacial Acetic Acid	NE	NE	NE
5% Acetic Acid	NE	NE	NE
Diesel Fuel	NE	NE	NE
Heptane	NE	NE	NE
5% Sodium Hypochlorite	NE	NE	NE
10% Sodium Hypochlorite	NE	NE	NE
10% Ammonia	NE	NE	NE
Turpentine	NE	NE	NE
Kerosene	NE	NE	NE
Water	NE	NE	NE
Gasoline	F	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:

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

Trademarks:

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

OSHA: Occupational Safety & Health Administration

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

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

Note: All values shown are averages and should not be used for specification purposes.

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