

BRADY B-23 QUICKGUARD(TM) ASSET IDENTIFICATION TAGS

TDS No. B-23
Effective Date: 03/29/2004

Description:

Quickguard™ Asset Identification Tags are anodized aluminum material with a printed legend that withstands both indoor and outdoor exposure.

Details:

Use:

B-23 is used as an asset identification tag, where consecutive numbering may be needed, for use on computers, office furniture and equipment.

Substrate Type:

Anodized aluminum

Adhesive Type:

- 3M #467- permanent pressure -sensitive adhesive for most smooth non-plastic surfaces.
- 3M #468- permanent pressure -sensitive adhesive for rough or textured non-plastic surfaces.
- 3M #9471- permanent pressure -sensitive adhesive for smooth plastic surfaces.
- 3M #9472LE- permanent pressure -sensitive adhesive for smooth plastic surfaces.

Standard Material Colors:

Black, Light Blue, Dark Blue, Green, Red, Burgundy

Total Thickness (PSTC-33):

- 3M #467- .005" (0.127 mm)
- 3M #468- .008" (0.203 mm)
- 3M #9471- .005" (0.127 mm)
- 3M #9472LE- .008" (0.203 mm)

Adhesive Properties:

Adhesion to Stainless Steel - PSTC-1 (Avg.)

	3M #467	3M #468	3M #9471	3M #9472LE
15 minute dwell	destroyed	destroyed	destroyed	destroyed
Ultimate Dwell (72 hours)	destroyed	destroyed	destroyed	destroyed

Tack - ASTM D 2979 (Avg.)

	3M #467	3M #468	3M #9471	3M #9472LE
15 minute dwell	1618 g (15.9N)	1538 g (15.1N)	1234 g (12.1N)	1750 g (17.2N)

Chemical Resistance

REAGENT	7 DAY IMMERSION	DIP TEST	RUB TEST
30% Sulfuric Acid	F	F	NE
10% Sulfuric Acid	F	F	NE
30% Hydrochloric Acid	F	F	NE
10% Hydrochloric Acid	F	F	NE
50% Sodium Hydroxide	F	F	NE
10% Sodium Hydroxide	F	F	NE
Methyl Ethyl Ketone	F	NE	NE
Acetone	F	NE	NE
Toluene	F	F	NE
1,1,1-Trichloroethane	F	NE	NE
Methanol	F	NE	NE

Isopropyl Alcohol	NE	NE	NE
Heptane	F	NE	NE
Mineral Spirits	F	NE	NE
Kerosene	F	NE	NE
Diesel Fuel	F	NE	NE
ASTM #3 Oil	NE	NE	NE
SAE 20 Oil	NE	NE	NE
10% Sodium Chloride	F	NE	NE
Alconox®	NE	NE	NE
Bleach	NE	NE	NE
Water	NE	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.

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

CS-10 wheels, 500 g wts.

Legend withstands up to 350 cycles.

60°Gloss:

38 Gardner Units

Minimum Application Temperature:

40°F (4°C)

Service Temperature:

-40°F to 300°F (-40°C to 149°C)

Application Temperature

40°F (4°C)

Average Outdoor Durability:

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

Shelf Life:

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

Trademarks:

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Quickguard™ is a trademark of TRICOR Direct, Inc.

Signmark® is a registered trademark of Brady Worldwide, Inc.

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

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

PSTC: Pressure Sensitive Tape Council (U.S.A.)

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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Brady North America | 6555 W. Good Hope Rd | Milwaukee, WI 53223 | USA | Tel: 414-358-6600 | Fax: 800-292-2289