

BRADY B-833 ID TAG WITH PROTECTED GRAPHICS

TDS No. B-833
 Effective Date: 11/13/2017

Description:
 Brady B-833 Heavy Duty Identification Tag is sealed graphics in a matte polyester pouch.

Details:

Use:
 Brady B-833 Heavy Duty Identification Tags are used as equipment ID tags for the Hydrocarbon Processing Industry.

Substrate Type:
 Heavy duty polyester

Standard Material Colors:
 Black and white

Thickness (ASTM D 1593):
 Total: 0.030 in. (0.76mm)

Tensile Strength (ASTM D 638):
 180 lb/in. (3100 N/100mm)

Elongation (ASTM D 638):
 60%

Stiffness:
 Machine Direction: 580 Taber Units
 Cross Direction: 460 Taber Units

Abrasion Resistance (Method 5306 of U.S. Federal Test Method Std. No. 191A):
 H-22 wheels, 1000 g wts.
 Polyester overlamine withstands up to 1000 cycles.

Service Temperature:
 -40°F to 193°F (-40°C to 90°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:

REAGENT	7 DAY IMMERSION	DIP TEST	RUB TEST
30% Sulfuric Acid	NE	NE	NE
10% Sulfuric Acid	NE	NE	NE
30% HCl	NE	NE	NE
10% HCl	NE	NE	NE
50% NaOH	F	NE	NE
10% NaOH	F	NE	NE
Methyl Ethyl Ketone	F	F	NE
Acetone	F	F	NE
1,1,1-Trichloroethane	F	F	NE
Methanol	F	F	NE
IPA (Isopropanol)	F	F	NE
ASTM #3 Oil	F	F	NE
SAE 20 Oil	F	F	NE

Alconox®	NE	NE	NE
Toluene	F	F	NE
Mineral Spirits	F	F	NE
Glacial Acetic Acid	F	NE	NE
5% Acetic Acid	NE	NE	NE
Diesel Fuel	F	F	NE
Heptane	NE	NE	NE
10% Ammonia	NE	NE	NE
Kerosene	F	F	NE
Water	NE	NE	NE
20% Sodium Carbonate	NE	NE	NE
2% Sodium Carbonate	NE	NE	NE
10% NaCl	NE	NE	NE
Bleach	NE	NE	NE

NE = No Effect

NT = Not Tested

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:

Indefinite 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.)

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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