

BRADY B-588 GLOBALMARK (R) and MINIMARK (TM) INDUSTRIAL LABEL MAKERS

TDS No. B-588
Effective Date: 10/02/2017

Description:

Brady B-588 is a vinyl film with pressure sensitive adhesive designed for use with the GlobalMark Label and MiniMark Sign Printers.

Details:

Use:

Brady B-588 is used for general labeling and marking, indoors and outdoors.

Substrate Type:

Vinyl Film

Standard Material Colors:

White, black, yellow, orange, red blue, green, brown, gray, clear, purple and gold

Standard Legend Colors:

Black, white, red, green, blue, yellow, magenta, cyan, orange, process cyan, process magenta, and process yellow

Thickness (PSTC-33):

Total: 0.0045 in. (0.114mm)

Adhesive Properties:

Adhesion to Steel (PSTC-1)
15 Minute Dwell (Avg.) - 68 oz/in. (74 N/100mm)
Ultimate Dwell (72 Hrs.) (Avg.) - 94 oz/in. (103 N/100mm)
Tack (ASTM D 2979) (Avg.) - 900g (8.9 N)

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

CS-10 wheels, 250g wts.
The printed legend withstands up to 100 cycles

Gloss:

48 Gardner Units (60° gloss)

Minimum Application Temperature:

50°F (10°C)

Service Temperature:

-40°F to 176°F (-40°C to 80°C)

Average Outdoor Durability:

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

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
Glacial Acetic Acid	F	F	F
5% Acetic Acid	NE	NE	NE
50% Sodium Hydroxide	NE	NE	NE
10% Sodium Hydroxide	NE	NE	NE
10% Ammonia	NE	NE	NE

5% Sodium Hypochlorite	NE	NE	NE
10% Sodium Chloride	NE	NE	NE
MEK	F	F	F
Acetone	F	F	F
Toluene	F	F	F
1,1,1 Trichlor.	F	F	F
Methanol	NE	NE	F
Isopropyl Alcohol	NE	NE	NE
Heptane	NE	NE	F
Mineral Spirits	NE	NE	NE
Turpentine	F	F	F
Diesel Fuel	NE	NE	NE
Kerosene	NE	NE	NE
Gasoline	F	F	F
ASTM #3 Oil	NE	NE	NE
SAE 20 Oil	NE	NE	NE
Alconox®	F	NE	NE
DI Water	NE	NE	NE

NE = No Effect

F = Fail (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:

Shelf life is one year from the date of receipt for this product as long as this product is stored in its original packaging in an environment below 80° F (27° C) and 60% RH. It remains the responsibility of the user to assess the risk of using this product. We encourage customers to develop testing protocols that will qualify a product's fitness for use in their actual application.

BRADY B-588 WITH POLYESTER OVERLAMINATE

Description:

B-588 with clear 2 mil polyester overlaminate.

Substrate Type:

Vinyl film with polyester overlaminate

< u>Thickness (PSTC-33):

Total: 0.0075 in. (0.19mm)

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

CS-17 wheels, 1000 g wts.

Overlaminate withstood 2500 cycles.

Gloss (ASTM D 523):

85 Gardner Units (60° gloss)

Service Temperature:

-40°F to 176°F (-40°C to 80°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)

Chemical Resistance (with 2 mil polyester overlaminate)

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	NE	NE	NE
10% NaOH	NE	NE	NE
Methyl Ethyl Ketone	F	NE	NE
Acetone	F	NE	NE

1,1,1-Trichloroethane	F	NE	NE
Methanol	NE	NE	NE
IPA (Isopropanol)	F	NE	NE
ASTM #3 Oil	NE	NE	NE
SAE 20 Oil	NE	NE	NE
Alconox®	NE	NE	NE
Toluene	F	F	NE
Mineral Spirits	F	NE	NE
Glacial Acetic Acid	F	F	NE
5% Acetic Acid	NE	NE	NE
Diesel Fuel	F	NE	NE
Heptane	F	NE	NE
Cellosolve Acetate	F	NE	NE
Conc. Ammonia	NE	NE	NE
10% Ammonia	NE	NE	NE
Turpentine	F	NE	NE
Kerosene	F	NE	NE
Water	NE	NE	NE
Gasoline	F	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:

Shelf life is two years from the date of receipt for this product as long as this product is stored in its original packaging in an environment below 80° F (27° C) and 60% RH. It remains the responsibility of the user to assess the risk of using this product. We encourage customers to develop testing protocols that will qualify a product's fitness for use in their actual application.

Trademarks:

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

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

MINIMARK™ is a trademark of Brady Worldwide, Inc.

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

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

Signmark® is a registered trademark of Brady Worldwide, 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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