

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

TDS No. B-588
 Effective Date: 01/12/2007

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:

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

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:

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

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.)

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

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