

BRADY B-936 FLUORESCENT VINYL FILM

TDS No. B-936
Effective Date: 06/05/2001

Description:

Brady B-936 is a fluorescent vinyl with pressure sensitive adhesive designed for use with the GraphicsPro™ Label & Sign Creator LC-100C cutter.

Details:

Use:

Brady B-936 is used for general indoor labeling.

Substrate Type:

Vinyl film

Standard Material Color:

Fluorescent yellow

Thickness (PSTC-33):

Total: 0.0079 in. (0.200mm)

Tensile Strength (PSTC-31):

Break: 60 lb/in. (1100 N/100mm)

Elongation (PSTC-31):

Break: 120%

Adhesive Properties:

Adhesion to Steel (PSTC-1)
15 Minute Dwell (Avg.) -- 80 oz/in. (87 N/100mm)
Ultimate Dwell (72 Hrs.) (Avg.) -- 150 oz/in. (160 N/100mm)
Tack (ASTM D 2979) (Avg.) -- 1800 g (18 N)
Drop Shear (PSTC-7) (Avg.) -- 0.5 Hrs.

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

CS-17 wheels, 500 g wts.
Substrate withstands up to 10,000 cycles.

Gloss:

100 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:

Not recommended.

Chemical Resistance:

REAGENT	7 DAY IMMERSION	DIP TEST
30% Sulfuric Acid	NE	NE
10% Sulfuric Acid	NE	NE
30% HCl	NE	NE
10% HCl	NE	NE
50% NaOH	NE	NE
10% NaOH	F	NE
Methyl Ethyl Ketone	F	F

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

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.

Shelf Life:

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

Trademarks:

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GraphicsPro™ is a trademark of Brady Worldwide, Inc.

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

ASTM: American Society for Testing and Materials (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.

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