

BRADY B-935 CLEAR TEMPORARY USE FILM

TDS No. B-935
Effective Date: 06/05/2001

Description:

Brady B-935 is a clear vinyl with a removable adhesive designed for use with the GraphicsPro™ Label and Sign Creator.

Details:

Use:

Brady B-935 is used for temporary indoor signs.

Substrate Type:

Vinyl film

Standard Material Color:

Clear

Standard Legend Colors:

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

Thickness (PSTC-33):

Total: 0.0033 in. (0.083mm)

Tensile Strength (PSTC-31):

Break: 24 lb/in. (420 N/100mm)

Elongation (PSTC-31):

Break: 190%

Adhesive Properties:

Adhesion to Steel (PSTC-1)
15 Minute Dwell (Avg.) -- 0.9 oz/in. (1.0 N/100mm)
Ultimate Dwell (72 Hrs.) (Avg.) -- 3.3 oz/in. (3.6 N/100mm)
Tack (ASTM D 2979) (Avg.) -- 250 g (2.5 N)
Drop Shear (PSTC-7) (Avg.) -- 430 Hrs.

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

CS-10 wheels, 250 g wts.
The printed legend withstands up to 175 cycles.

Gloss:

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

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:

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GraphicsPro™ is a trademark of Brady Worldwide, Inc.

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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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