

Brady B-2569 aqueous inkjet receptive PET film with permanent adhesive

TDS No. B-2569

Effective Date: 07/14/2016

Description:

Brady B-2569 indoor marking film is an aqueous inkjet receptive, flexible, matte finish, pressure sensitive adhesive product, designed for use in cartridge form with the BBP® 2000 Color Label Printer.

Details:

Use:

Brady B-2569 is used indoors for Pipemarkers, Arrow Tape, Warehouse Marking, Warning Panels, Safety Signs, Arc Flash and Visual Workplace labels.

Brady B-2569 is RoHS compliant to RoHS Directive 2011/65/EU.

Special Properties:

Aqueous inkjet receptive polyester that yields full color and high resolution graphics. Permanent acrylic pressure sensitive adhesive in B-2569 makes it applicable at cold temperatures.

Substrate Type:

Polyester film.

Standard Material Colors:

White

Thickness:

0.0045 in.(0.1143mm)

Adhesive Properties:

Adhesion to Stainless Steel

15 Minutes Dwell (Avg) 74 oz/in. (81N/100mm)

Ultimate Dwell (72 Hrs Avg) 74 oz/in. (81N/100mm)

Adhesion to Powder Coated Metal

15 Minutes Dwell (Avg) 48 oz/in(53 N/100mm)

Ultimate Dwell (72 Hrs Avg) 76 oz/in (83 N/100mm)

Adhesion to Polypropylene

15 Minutes Dwell (Avg) 72 oz/in (79 N/100mm)

Ultimate Dwell (72 Hrs Avg) 63 oz/in (69 N/100mm)

Adhesion to ABS

15 Minutes Dwell (Avg) 76 oz/in (83 N/100mm)

Ultimate Dwell (72 Hrs Avg) 76 oz/in (83 N/100mm)

Adhesion to Glass

15 Minutes Dwell (Avg) 76 oz/in (84 N/100mm)

Ultimate Dwell (72 Hrs Avg) 76 oz/in (84 N/100mm)

Note - B-2569 is not recommended for Bare concrete or Unpainted Wood

Abrasion Resistance (ASTM D4060):

CS 10 wheels, 250 g wts.

Legend withstands up to 500 cycles.

Gloss:

60° 2.5 Units.

Minimum Application Temperature:

0°F (-18°C).

Service Temperature:

-40°F to 140°F (-40°C to 60°C).

Average Outdoor Durability:

Not recommended for outdoor use.

Chemical Resistance:

Samples were printed using B2000 series pigment inks with a BBP® 2000 Color Label Printer by Brady recommended printer settings (Quality: Normal, Saturation: medium color + black). 100% Cyan(C), magenta(M), yellow(Y) and black(K) squares are printed for these tests. Testing conducted at room temperature after equilibrating samples for 24hrs post printing.

REAGENT	7 DAY IMMERSION	RUB TEST
Deionized Water	CMYK:NE	CMYK:NE
Windex® Commercial Line™ Original Glass Cleaner	CYK:F1 M:F2	CY:NE MK:F2
10% HCl (pH 1)	CMYK:NE	CMYK:NE
10 wt% Sodium Chloride	CMYK:NE	CMYK:NE
10% NaOH (pH 14)	CMYK:NE*,F3	CMYK:NE*
Isopropyl Alcohol	CMYK:NE	CMY: NE K:F2
50 wt% ethanol	CMYK:NE	CMYK:NE
Gasoline	CMYK:F3	CMYK:NE

NE = No Effect on printed sample.

NE*= Reversible change. Coating turns yellow. Within 24hrs reverts back to original color. No ink removal.

F1= Fail – Coating turns blue. No ink removal.

F2= Fail – Some Ink removal.

F3= Fail – No Ink removal. Liner separates from material.

7 Day Immersion: Immersed in reagent for 7 days.

Rub Test: 100 hand rubs over a minute with a Q-tips® Cotton Swab soaked in reagent by applying minimal pressure

Shelf Life:

Product testing, customer feedback, and history of similar products support a customer performance expectation of at least **two years from the 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. We are confident that our product will perform well beyond this time frame. However, it remains the responsibility of the user to assess the risk of using such product. We encourage customers to develop functional testing protocols that will qualify a product's fitness for use in their actual application.

To maintain print quality and performance, the B-2569 tape cartridge should be stored at the recommended conditions.

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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Trademarks:

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

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Q-tips® Cotton Swabs is a registered trademark of Unilever

Windex® Commercial Line™ Original Glass Cleaner

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