



BRADY B-2551 AQUEOUS INKJET PRINTABLE TAGSTOCK

TDS Number: B-2551
Effective Date: 5/9/2024

Description:

Brady B-2551 indoor/outdoor marking tag stock is an aqueous inkjet printable, rigid, matte finish, tag product. B-2551 is designed to be used with the BradyJet™ J2000, J5000, and J7300 Color Label Printers.

Details:

Use:

B-2551 enables compliance if printed according to OSHA standard 1910.145 for accident prevention tags.
B-2551 enables compliance if printed and applied according to OSHA standard 1910.147 for tag out tags and lockout tags.

Special Properties:

Aqueous inkjet receptive vinyl that yields full color and high resolution graphics.

Substrate Type:

Heavy duty polyester with an inkjet printable vinyl

Standard Material Colors:

White

Recommended Inks:

J2000: BradyJet™ J20 Full Color Ink Cartridge: cyan/magenta/yellow
J5000: BradyJet™ J50 Color Ink Cartridges: cyan, magenta, yellow, and black
J7300: BradyJet™ P-Series Ink Cartridges: cyan/magenta/yellow and black

Thickness:

0.0152 in. (0.3863 mm)

Abrasion Resistance:

Test method: ASTM D4060
CS-10 wheels, 250 g wts.
Print legible up to 50 cycles with J20 CMY inks, J50 series CMYK inks, and P-Series CMYK inks

Service Temperature:

-40°F to 140°F (-40°C to 60°C).

Pullout Strength:

With Plastic Grommet: 75 lbs
No Grommet: 60 lbs

Average Outdoor Durability:

Average expected outdoor life of product will depend on user definition of failure, climatic conditions, mounting techniques, and printed color.

Up to 2 years with J20 and J40 series CMY inks, J50 series CMYK inks, and P-Series CMYK inks

Chemical Resistance:

Cyan (C), magenta (M), yellow(Y), and black (K) squares were printed using printer settings defined below prior to testing.

BradyJet J2000: Quality Mode: 3, Saturation: 78%, Color Matching: best for graphics

BradyJet J5000: Quality: Normal, Saturation: medium color + black

BradyJet J7300: Print mode: Default

Testing conducted at room temperature after equilibrating samples for 24 hours post printing.

	J20 series ink cartridges		J50 series ink cartridges		P-series ink cartridges	
REAGENT	7 DAY IMMERSION	RUB TEST	7 DAY IMMERSION	RUB TEST	7 DAY IMMERSION	RUB TEST
Deionized Water	1	1	1	2	1	1(K2)
10 wt% Sodium Chloride	1	1	1	2	1	1(K2)
50 wt% Ethanol	1	3	1	3	1	3
10% NaOH (pH 14)	2	2	2	2	2	2
Gasoline	3*	3	3*	3	3*	3
Isopropyl Alcohol	1	3	1	3	1	3
Windex® Commercial Line™ Original Glass Cleaner	2	2	2	2	2	2
10% HCl (pH 1)	1	1	1	1	1	1(K2)

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.

Rating Scale:

1 = No visible effect

2 = Effect to printed image

3 = Complete ink / topcoat removal

* = Adhesive failure

Note: Deviations in results for individual colors are noted in parentheses. For example, 1(K2) denotes a 2 rating for black and a 1 rating for the other colors.

Regulatory/Agency Approvals

For information on the Weee-RoHS compliance status for a Brady Product go to one of the following websites:

In Canada: www.bradycanada.ca/weee-rohs

In Europe: www.bradyeurope.com/rohs

In Japan: www.bradyc.co.jp/products/labelsuse/rohs

All other regions: www.bradyyid.com/weee-rohs

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.)

Windex® Commercial Line™ Original Glass Cleaner is a registered trademark of SC Johnson & Sons, Inc.

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

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.

Product compliance information is based upon information provided by suppliers of the raw materials used by Brady to manufacture this product or based on results of testing using recognized analytical methods performed by a third party, independent laboratory. As such, Brady makes no independent representations or warranties, express or implied, and assumes no liability in connection with the use of this information.

Warranty

Brady products are sold with the understanding that the buyers will test them in actual use and determine for themselves their adaptability to their intended uses. Brady warrants to the buyers that its products are free from defects in material and workmanship, but limits its obligation under this warranty to replacement of the product shown to Brady's satisfaction to have been defective at the time Brady sold it. This warranty does not extend to any persons obtaining the product from the buyers. This warranty is in lieu of any other warranty, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose, and of any other obligations or liability on Brady's part. Under no circumstances will Brady be liable for any loss, damage, expense, or consequential damages of any kind arising in connection with the use, or inability to use, Brady's products.

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