



Technical Data Sheet

BRADY B-2551 AQUEOUS INKJET PRINTABLE TAGSTOCK

TDS Number: B-2551
Effective Date: 11/4/2021

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 and J5000 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, and yellow

J5000: BradyJet™ J50 Color Ink Cartridges; cyan, magenta, and 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 series pigment inks

Print legible up to 50 cycles with J50 series pigment 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.

J2000 CMY inks: Up to 2 years

J5000 CMYK inks: Up to 2 years

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

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

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

Rating Scale:

1 = No visible effect

2 = Effect to printed image

3 = Complete ink / topcoat removal

* = Adhesive failure

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.

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.brady.co.jp/products/labelsuse/rohs

All other regions: www.bradyid.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.

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