chanhvinh.com

Technical Data Sheet

BRADY B-403 THERMAL TRANSFER AND AQUEOUS INKJET PRINTABLE WATER DISSOLVABLE PAPER LABEL STOCK

TDS No B-403
Effective Date: 5/9/2024

Description:

General:
Print Technology: Thermal Transfer, Aqueous Pigment Inkjet
Material type: White Paper
Finish: Matte
Adhesive: Acrylic

Applications:
General purpose, temporary labeling applications

Recommended Ribbon & Inks:
Brady Series R4300 black ribbon
J2000: BradyJet™ J20 Full Color Ink Cartridge: cyan/magenta/yellow
J7300: BradyJet™ P-Series Ink Cartridges: cyan/magenta/yellow and black

B-403 is also compatible with non-Brady inkjet printers that use pigment-based inks such as Epson® Colorworks C3500, Epson® Colorworks C6000A, Epson® Colorworks C7500G, and AstroNova® QuickLabel® QL-120D. Customers should complete their own evaluation for fitness of use for their application. Contact Brady customer service for further information.

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

Special Features

B-403 is constructed with a water soluble paper and a dissolvable adhesive that leaves no residue on a container.

Details:

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	ASTM D 1000 Total (excluding liner)	0.0030 inch (0.0762 mm)
Adhesion to: -Stainless Steel -Polypropylene -Glass	ASTM D 1000 20 minute dwell	Destroys upon removal from all listed surfaces.

chanhvinh.com

Performance properties tested on B-403 printed with Brady Series R4300 ribbon, BradyJet™ J20 Full Color and P-Series Ink Cartridges. Printed samples of B-403 were laminated to aluminum and allowed to dwell 24 hours before exposure to the indicated environmental conditions.

PERFORMANCE PROPERTIES	TEST METHOD	TYPICAL RESULTS
Long Term High Service Temperature	30 days at various temperatures	No visible effect, print remains legible at 50°C. Slight discoloration when compared to unexposed material, print remains legible at 80°C. Moderate discoloration, print remains legible, labels remains functional at 100°C.
Low Service Temperature	30 days at -70°C	No visible effect
Humidity Resistance	30 days at 38°C/95% relative humidity	No visible effect
Abrasion Resistance	Taber Abraser, CS-10 grinding wheels, 250 g/arm (Fed. Std. 191A, Method 5306)	Print legible after 100 cycles

Shelf Life:
Shelf life is one year from the date of receipt for this product as long as this product is stored in its original packaging in an environment below 70° F (21° 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 applications.

Trademarks:
ASTM: American Society for Testing and Materials (U.S.A.)
AstroNova® is a registered trademark of AstroNova, Inc
Epson® is a registered trademark of Seiko Epson Corporation
QuickLabel® is a registered trademark of Astro Nova®, Inc.

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.

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.

Copyright 2024 Brady Worldwide, Inc. | All Rights Reserved
Material may not be reproduced or distributed in any form without written permission.

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