

Technical Data Sheet

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

TDS No B-403

Effective Date: September 5, 2017

Description:

GENERAL

Print Technology: Thermal Transfer

Material type: White Paper

Finish: Matte

Adhesive: Acrylic

APPLICATIONS

General purpose, temporary labeling applications

RECOMMENDED RIBBON

Brady Series R4300 black ribbon

SPECIAL FEATURES

B-403 label material dissolves completely in water leaving no adhesive residue.

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.

Performance properties tested on B-403 printed with Series R4300 black thermal transfer ribbon. 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. Very 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

Technical Data Sheet

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

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:

One year when stored in its original packaging in an environment below 70°F (21°C) and 60% RH.

Trademarks:

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

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 2017 Brady Worldwide, Inc. | All Rights Reserved

Material may not be reproduced or distributed in any form without written permission.