

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:	ASTM D 1000	
-Stainless Steel	20 minute dwell	Destroys upon removal from all
-Polypropylene		listed surfaces.
-Glass		

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



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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.

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