



B-110 - Technical Data Sheet

BRADY B-110: **REMOVABLE PAPER LABEL STOCK**

TDS erhalten von:

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TDS No. B-110

Effective Date: 05-Feb-2007

Description:

GENERAL

Print Technology: Dot Matrix

Material Type: 60# Latex Saturated Paper

Finish: Matte

Adhesive: Removable Rubber-based

APPLICATIONS

Temporary or general purpose labeling and wire identification where resistance to extremely harsh environments is not required

RECOMMENDED RIBBONS

Brady Series R2000

Brady Series R5000

REGULATORY APPROVAL

Brady B-110 is RoHS compliant to 2005/618/EC MCV amendment to RoHS Directive 2002/95/EC.

SPECIAL FEATURES

B-110, because it is a latex saturated paper stock, offers better flexibility and moisture resistance than standard paper labels as well as one piece removability from many surfaces.

Details:

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	ASTM D 1000	0.0040 inch (0.127 mm)
Adhesion to:	ASTM D 1000	
-Stainless Steel	20 minute dwell 24 hour dwell	35 oz/in (38 N/100 mm) 40 oz/in (44 N/100 mm)
-Polypropylene	20 minute dwell 24 hour dwell	45 oz/in (49 N/100 mm) 45 oz/in (49 N/100 mm)
Tack	ASTM D 2979 Polyken™ Probe Tack 1 second dwell	19.4 oz (550 g)
Tensile Strength and Elongation	ASTM D 1000 -Machine Direction -Cross Direction	21 lbs/in (368 N/100 mm), 3% 16 lbs/in (280 N/100 mm), 8%
Application Temperature	Lowest application temperature to stainless steel	50°F (10°C)

B-110 samples tested for Performance Properties printed with both Brady Series R2000 and Series R5000 ribbons. Results listed below were identical for both ribbons.

PERFORMANCE PROPERTIES	TEST METHODS	TYPICAL RESULTS
Long Term High Service Temperature	30 days at 212°F (100°C)	Slight discoloration of tape at 100°C.
Long Term Low Service Temperature	30 days at -40°F (-40°C)	No visible effect to tape or printing at -40°C.
Humidity Resistance	30 days at 100°F (37°C), 95% R.H.	No visible effect to tape or printing.
UV Light Resistance	30 days in UV Sunlighter™ 100	Very slight discoloration of tape and printing.
Removability	Label applied to aluminum, glass, and epoxy and aged 7 days at room temperature, 122°F, 158°F, and 100°F/95% RH.	Label removed cleanly without adhesive residue.

Product testing, customer feedback, and history of similar products, support a customer performance expectation of at least **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 degrees F (27 degrees C) and 60% RH*. We are confident that our product will perform well beyond this time frame. However, it remains the responsibility of the user to assess the risk of using such product. We encourage

customers to develop functional testing protocols that will qualify a product's fitness for use, in their actual applications.

Trademarks:

Polyken™ is a trademark of Testing Machines Inc.

Sunlighter™ is a trademark of the Test Lab Apparatus Company

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

All S.I. Units (metric) are mathematically derived from the U.S. Conventional Units.

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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