



Technical Data Sheet

BRADY B-408 MATTE WHITE PAPER LABEL STOCK

TDS No. B-408

Effective Date: 11-Jun-2009

Description:

GENERAL

Print Technology: Thermal Transfer

Material Type: White Paper

Finish: Matte

Adhesive: Removable acrylic

APPLICATIONS

General labeling and barcoding applications where the label needs to be removed or repositioned.

RECOMMENDED RIBBONS

Brady Series R6100

REGULATORY

B-408 is RoHS compliant to 2005/618/EC MCV amendment to RoHS Directive 2002/95/EC.

SPECIAL FEATURES

B-408 is designed to be removable after 30 days from cardboard, stainless steel, glass and polypropylene when used at ambient conditions.

Details:

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	ASTM D 1000 -Substrate/Adhesive	0.0030 inch (0.0762 mm)
Adhesion to:	ASTM D 1000	
-Stainless Steel	20 minute dwell 24 hour dwell	3 oz/in (3 N/100 mm) 4 oz/in (4 N/100 mm)
-Polypropylene	20 minute dwell 24 hour dwell	4 oz/in (4 N/100 mm) 4 oz/in (4 N/100 mm)
-Glass	20 minute dwell 24 hour dwell	2 oz/in (2 N/100 mm) 3 oz/in (3 N/100 mm)
-Smooth ABS	20 minute dwell 24 hour dwell	12 oz/in (15 N/100 mm) 20 oz/in (22 N/100 mm)
-Cardboard*	20 minute dwell 24 hour dwell	1 oz/in (1 N/100 mm) 1 oz/in (1 N/100 mm)
Tack	ASTM D 2979 Polyken™ Probe Tack 1 second dwell	19 oz (526 g)

* Different types of cardboard and corrugated material will yield varied results. B-408 is not recommended for use with wax coated corrugated cardboard.

The following testing is performed with B-408 thermal transfer printed on a BradyPrinter™ THT 200M, 300X, and 600X Plus using a Brady Series R6100 ribbon. Samples laminated to glass, stainless steel, polypropylene, smooth ABS and cardboard panels. All samples allowed to dwell 24 hours prior to testing.

PERFORMANCE PROPERTIES	TEST METHODS	TYPICAL RESULTS
Service Temperature	30 days at 158°F (70°C)	No visible effect.
UV Light Resistance	30 days in UV Sunlighter™ 100	Not recommended for outdoor exposure. No visible effect to print.
Weatherability	ASTM G 26 30 days in Xenon Arc Weatherometer	Not recommended for outdoor exposure.
Humidity Resistance	30 days at 100°F (37°C), 95% R.H.	Labels exposed to elevated humidity conditions will have decreased adhesion to the underlying substrate. No visible effect to print.

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:

BradyPrinter™ is a trademark of Brady Worldwide, Inc.

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.

Specification Of Thermal Transfer Printable Labels

Application(s): General & Industrial Identification

Size: 3.000" W x 2.000" H (76.200 mm W x 50.800 mm H)

Printable Area: 3.000" W x 2.000" H (76.200 mm W x 50.800 mm H)

Web Width: 3.200" (81.28 mm)

Label Type/Style: Label

Vertical Repeat: 2.125" (53.98 mm)

Color: White

Finish: Matte

Qty Per Row: 1

Material Type: Paper

Material Description: Repositionable Paper

Brady Material #: [B-408](#)

General ID Catalog: [pg. 34](#)

Recommended Ribbon Series: 6100

Suggested Ribbon Part#: R6102

Acceptable Ribbon Series: 4300, 4500 (colors)

Printer Compatibility: BBP81, Brady 1244, Brady 1344, Brady 200MVP Plus, Brady 2461, Brady 300MVP Plus, Brady 300X-Plus II, Brady 3481, Brady 360X-Plus II, Brady 600X-Plus II, Brady 6441, Brady IP, Tagus T200, Tagus T300, Thermal Transfer Printers

Special Properties: Repositionable

RoHS Compatibility: Compliant with RoHS Directive. NOTE: All statements concerning RoHS Directive compliance refer to 2005/618/EC MCV amendment to RoHS Directive 2002/95/EC. Product compliance is based upon information provided by suppliers of the raw materials used by Brady to manufacture these products, or by independent laboratory testing of these products. As such, Brady makes no independent representations or warranties, express or implied, and assumes no liability in connection with the use of this information.

QTY/UOM: 1,000/Roll