

BRADY B-609 PAPER LABEL STOCK

TDS No. B-609

Effective Date: 03/26/2019

Description:

GENERAL

Print Technology: Dot Matrix

Material Type: White 70# Paper

Finish: Matte

Adhesive: Permanent Rubber

APPLICATIONS

General purpose material for write-on printable labels. B-609 is designed for applications requiring a paper label that cannot be removed intact.

RECOMMENDED RIBBONS

Brady Series R5000

REGULATORY 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.bradycanada.ca/weee-rohs

All other regions: www.bradycanada.ca/weee-rohs

SPECIAL FEATURES

On many surfaces, the adhesion strength of the B-609 adhesive is greater than the strength of the paper stock. The white ink receptive coating on B-609 provides good smoothness, contrast, and smear resistance for barcode applications.

Details:

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	ASTM D 1000 Total Thickness (excluding liner)	0.0043 inch (0.109 mm)
Adhesion to:	ASTM D 1000	
-Stainless Steel	20 minute dwell 24 hour dwell	Label destroys upon removal after both 20 minutes and 24 hours.
-Textured ABS	20 minute dwell 24 hour dwell	13 oz/in (14.2 N/100 mm) 18 oz/in (19.7 N/100 mm)
-Polypropylene	20 minute dwell 24 hour dwell	Label destroys upon removal after both 20 minutes and 24 hours.
Tack	ASTM D 2979 Polyken™ Probe Tack 0.5 second dwell	28 oz (800 g)
Tensile Strength and Elongation	ASTM D 1000 -Machine Direction -Cross Direction	34 lbs/in (595 N/100 mm), 4% 18 lbs/in (315 N/100 mm), 8%
Application Temperature	Lowest application temperature to stainless steel	50°F (10°C)

The following testing is performed with B-609 samples printed with the Brady Series R5000 ribbon and applied to aluminum panels. All samples allowed to dwell 24 hours prior to testing.

PERFORMANCE PROPERTIES	TEST METHODS	TYPICAL RESULTS
High Service Temperature	30 days at 158°F (70°C)	Very slight browning of paper at 70°C, no visible effect to print.
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	Slight print fade

Abrasion Test	Taber Abraser, CS-10 grinding wheels, 250 g/arm (Fed. Std. 191A, Method 5306)	Print still legible after 100 cycles
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Shelf Life:

Shelf life is 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° F (27° 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 application.

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 U.S. Conventional Units are mathematically derived from the S.I. (metric) 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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Brady North America | 6555 W. Good Hope Rd | Milwaukee, WI 53223 | USA | Tel: 414-358-6600 | Fax: 800-292-2289