

BRADY B-121 REMOVABLE PAPER LABEL STOCK

TDS No. B-121
Effective Date: 03/21/2019

Description:

GENERAL

Print Technology: Dot Matrix

Material Type: 50# Paper

Finish: Matte

Adhesive: Removable Rubber Based Pressure Sensitive Adhesive

APPLICATIONS

Applications requiring an inexpensive removable paper label such as maintenance and inventory labels.

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.brady.co.jp/products/labelsuse/rohs

All other regions: www.bradyid.com/weee-rohs

SPECIAL FEATURES

The bright white paper stock gives good print contrast and smudge resistance. The adhesive has good adhesion and tack, while maintaining removable characteristics.

Details:

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	ASTM D 1000 Total (excluding liner)	0.0050 inch (0.127 mm)
Adhesion to:	ASTM D 1000*	
-Stainless Steel	20 minute dwell 24 hour dwell	19 oz/in (21 N/100 mm) 19 oz/in (21 N/100 mm)
-Polypropylene	20 minute dwell 24 hour dwell	22 oz/in (24 N/100 mm) 26 oz/in (28 N/100 mm)
Tack	ASTM D 2979 Polyken™ Probe Tack 1 second dwell	20.8 oz (590 g)
Tensile Strength and Elongation	ASTM D 1000 -Machine Direction -Cross Direction	47 lbs/in (823 N/100 mm), 3% 19 lbs/in (333 N/100 mm), 3%
Application Temperature	Lowest application temperature to stainless steel	50°F (10°C)

*B-121 samples supported with 1.0 mil overlaminat film so paper would not tear during 180 degree peel.

B-121 samples tested for Performance Properties printed with Brady Series R5000 ribbon.

PERFORMANCE PROPERTIES	TEST METHODS	TYPICAL RESULTS
Long Term High Service Temperature	30 days at various temperatures	No visible effect to label or printing at 60°C. Slight discoloration at 90°C; moderate discoloration at 100°C but label is still functional.
Long Term Low Service Temperature	30 days at -70°C (-94°F)	No visible effect to tape or printing.
Humidity Resistance	30 days at 37°C (100°F), 95% R.H.	No visible effect to tape or printing.

UV Light Resistance	ASTM G155, Cycle 1 (without water) 30 days in Q-Sun Xenon Test Chamber	Moderate paper discoloration and slight print fade.
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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.
 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.

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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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