

BRADY B-122 PAPER LABEL STOCK

TDS No. B-122
Effective Date: 29-Jun-2011

Description:

GENERAL

Print Technology: Dot Matrix
Material Type: 60# Litho Paper
Finish: Matte
Adhesive: Permanent Acrylic

APPLICATIONS

General purpose material for permanent write-on or printable labels. B-122 is designed for applications requiring a paper label that cannot be removed intact.

RECOMMENDED RIBBONS

Brady Series R2000
Brady Series R5000

REGULATORY APPROVALS

Brady B-122 is RoHS compliant to 2005/618/EC MCV amendment to RoHS Directive 2002/95/EC.

SPECIAL FEATURES

The paper stock has low internal strength to prevent one-piece removal. The adhesion strength of the B-122 adhesive is greater than the strength of the paper stock.

Details:

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	ASTM D 1000	0.0036 inch (0.091 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.
-Polypropylene	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	Label destroys upon removal after both 20 minutes and 24 hours.
Tack	ASTM D 2979 Polyken™ Probe Tack 1 second dwell	21.3 oz (604 g)
Tensile Strength and Elongation	ASTM D 1000 -Machine Direction -Cross Direction	21.0 lbs/in (367 N/100 mm), 3.9% 15.3 lbs/in (267 N/100 mm), 5.7%
Application Temperature	Lowest application temperature to stainless steel	50°F (10°C)

B-122 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 193°F (90°C)	No visible effect to tape or printing.

Long Term Low Service Temperature	30 days at -40°F (-40°C)	No visible effect to tape or printing.
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	No visible effect to tape or printing.

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°F (27°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.

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