

B-722 - Technical Data Sheet

BRADY B-722: **LASERTAB® MARKERS**

TDS erhalten von:

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TDS No. B-722

Effective Date: 14-Jan-2002

Description:

B-722 is a clear polyester film with an acrylic pressure sensitive adhesive and a translucent printable coating specially formulated for laser printers and toners.

B-722 is designed for applications like rating and serial plates, that utilize alphanumeric, barcodes, graphic symbols and logos that require nameplate-like quality.

B-722 is formulated specially for laser printers. The material offers high print resolution, good solvent resistance, smudge resistance and moderate to high temperature performance.

Brady B-722 meets the requirements of a halogen-free material per DIN VDE 0472 part 815. (Statement based on review of product construction and confirmatory halogen content test run at an independent test laboratory.)

Details:

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	ASTM D 1000 -Substrate -Adhesive -Total	0.0022 inch (0.0559 mm) 0.0007 inch (0.0178 mm) 0.0029 inch (0.0737 mm)
Adhesion to: -Stainless Steel	ASTM D 1000 20 minute dwell 24 hour dwell	30 oz/in (33 N/100 mm) 40 oz/in (44 N/100 mm)
-Textured ABS	20 minute dwell 24 hour dwell	2 oz/in (2 N/100 mm) 3 oz/in (3 N/100 mm)
Drop Shear	PSTC-7 (except use 1/2" x 1" sample)	Greater than 24 hours
Tensile Strength and Elongation	ASTM D 1000 -Machine Direction -Cross Direction	40 lbs/in (700 N/100 mm), 210% 50 lbs/in (875 N/100 mm), 20%

Dielectric Strength	ASTM D 1000	5300 volts
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Performance Properties tested on B-722. Samples laser printed with Hewlett Packard LaserJet III.

PERFORMANCE PROPERTIES	TEST METHODS	TYPICAL RESULTS
High Service Temperature	30 days at 221°F (105°C)	No visible effect
Low Service Temperature	30 days at -40°F (-40°C)	No visible effect
Humidity Resistance	30 days at 100°F (37°C), 95% R.H.	No visible effect
UV Light Resistance	30 days in UV Sunlighter™ 100	No visible effect
Weatherability	ASTM G155, Cycle 1 30 days in Xenon Arc Weatherometer	No visible effect

PERFORMANCE PROPERTY	CHEMICAL RESISTANCE
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Samples printed with a Hewlett Packard LaserJet III printer. Test was conducted at room temperature after 24 hour dwell. Testing consisted of 5 cycles of 10 minute immersions in the specified chemical reagent followed by 30 minute recovery periods.

CHEMICAL REAGENT	SUBJECTIVE OBSERVATION OF VISUAL CHANGE	
	APPEARANCE OF LABEL STOCK	APPEARANCE OF LABEL PRINT
Methyl Ethyl Ketone	No visible effect	Printing removed
1,1,1-Trichloroethane	No visible effect	Printing removed
Toluene	No visible effect	Printing removed
Freon® TMS	No visible effect	No visible effect
Isopropyl Alcohol	No visible effect	No visible effect
Mineral Spirits	No visible effect	No visible effect
JP-4 Jet Fuel	No visible effect	Printing removed
ASTM #3 Oil	No visible effect	No visible effect
Mil 5606 Oil	No visible effect	No visible effect
Skydrol® 500B-4	No visible effect	Printing removed
Super Agitene®	No visible effect	No visible effect
Deionized Water	No visible effect	No visible effect
3% Alconox® Detergent	No visible effect	No visible effect
10% Sodium Hydroxide Solution	No visible effect	No visible effect
10% Sulfuric Acid Solution	No visible effect	No visible effect

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°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:

Alconox® is a registered trademark of Alconox Co.
Freon® is a registered trademark of Du Pont de Nemours, E.I. and Company.
Lasertab® is a registered trademark of Brady Worldwide, Inc.
Skydrol® is a registered trademark of the Monsanto Company
Sunlighter™ is a trademark of the Test Lab Apparatus Company
Super Agitene® is a registered trademark of Graymills Corporation
ASTM: American Society for Testing and Materials (U.S.A.)
PSTC: Pressure Sensitive Tape Council (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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Sollten Sie noch Fragen haben,
kontaktieren Sie uns bitte.

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Wir helfen Ihnen gerne weiter.