

**BRADY B-8402 GLOSSY WHITE LOW PROFILE THERMAL TRANSFER PRINTABLE POLYIMIDE LABEL STOCK**

TDS No. B-8402  
Effective Date: 11/09/2010

**Description:**

**GENERAL**

**Print Technology:** Thermal Transfer

**Material Type:** White Polyimide

**Finish:** Glossy

**Adhesive:** Permanent Acrylic

**APPLICATIONS**

Printed circuit board and electronic component preprocess labeling

**REGULATORY/AGENCY APPROVALS**

Brady B-8402 is RoHS compliant to 2005/618/EC MCV amendment to RoHS Directive 2002/95/EC.

Brady B-8402 is also compliant to the halogen requirements of IEC 61249-2-21 (2003-11).

**SPECIAL FEATURES**

Brady B-8402 is a low profile glossy white circuit board label.

**Details:**

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	ASTM D 1000 -Substrate -Adhesive -Total	0.0017 inch (0.04318 mm) 0.0013 inch (0.03302 mm) 0.0030 inch (0.07620 mm)
Adhesion to: -Stainless Steel	ASTM D 1000 20 minute dwell 24 hour dwell	35 oz/in (38 N/100mm) 44 oz/in (48 N/100 mm)
Tack	ASTM D 2979 Polyken™ Probe Tack 1 second dwell	29 oz (823 g)

Samples were laminated to aluminum and allowed to dwell 24 hours before exposure to the indicated environmental conditions.

PERFORMANCE PROPERTIES	TEST METHODS	TYPICAL RESULTS
High Service Temperature	60 seconds at 270°C (518°F)	No visible effect to label
	5 minutes at 230°C (446°F)	No visible effect to label
	2 hours at 170°C (338°F)	No visible effect to label
Low Service Temperature	1000 hours at -70°C (-94°F)	No visible effect to label

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 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:**

ASTM: American Society for Testing and Materials (U.S.A.)

Polyken™ is a trademark of Testing Machines Inc.

**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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