

## BRADY B-373 DIRECT THERMAL CLEAN LABEL STOCK

TDS No. B-373

Effective Date: 11/06/2017

### Description:

Brady B-373 is a white 3.3 mil synthetic label stock with a cleanly removable, 1 mil thick, low tack pressure sensitive adhesive.

Brady B-373 is designed for clean room applications where the highest level of cleanliness is required. It is the ideal label for use in shipper/carrier identification for the disk drive and semiconductor industries.

The synthetic facesheet gives excellent print contrast.

The adhesive is removable and residue free yet maintains good adhesion to clean room bags.

The total construction offers extremely low outgassing, low ionic contamination, low total extractable tin, and is supplied on a silicone free liner.

Recommended Brady printers are models 300X and X plus series printers.

B-373 has very low particulates. It is available web cleaned and Class 100 packaged.

### Details:

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	ASTM D 1000	0.0043 inch (0.109 mm)
Adhesion to:	PSTC-1	15 oz/in (13.5 N/100 mm) 20 oz/in (18.2 N/100 mm)
-Polycarbonate	20 minute dwell 24 hour dwell	
Tack	ASTM D 2979 Polyken™ Probe Tack 1 second dwell, 1 cm/second speed	200g
Drop Shear	PSTC-7 (except use 1/2" x 1" sample)	> 100 hours
Application Temperature	Lowest application temperature to stainless steel	50°F (10°C)

The following testing is performed with the B-373 printed using a BradyPrinter™ 300X printer. All samples were allowed to dwell 24 hours prior to testing. Samples were tested on flat aluminum panels.

PERFORMANCE PROPERTIES	TEST METHODS	TYPICAL RESULTS
High Service Temperature	30 days at 122°F (50°C)	No visible effect to tape or printing.
Low Service Temperature	30 days at -40°F (-40°C)	No visible effect to tape or printing.
Humidity Resistance	30 days at 122°F (50°C), 95% R.H.	No visible effect to tape or printing.

### 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:

BradyPrinter™ is a trademark of Brady Worldwide, Inc.

Polyken™ is a trademark of Testing Machines Inc.

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.

Clean Label is manufactured in an ISO 9001 certified facility of Brady Worldwide, 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.

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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