

**B-8110 GLOSSY LIGHT BLUE THERMAL TRANSFER PRINTABLE POLYIMIDE LABEL STOCK**

TDS No. B-8110  
Effective Date: 02/04/2019

**Description:**

**GENERAL**

**Print Technology:** Thermal Transfer

**Materials Type:** Polyimide

**Finish:** Glossy

**Adhesive:** Permanent Acrylic

**RECOMMENDED RIBBONS**

Brady Series R6000

**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](http://www.bradycanada.ca/weee-rohs)

In Europe: [www.bradyeurope.com/rohs](http://www.bradyeurope.com/rohs)

In Japan: [www.brady.co.jp/products/labelsuse/rohs](http://www.brady.co.jp/products/labelsuse/rohs)

All other regions: [www.bradyid.com/weee-rohs](http://www.bradyid.com/weee-rohs)

**Details:**

| PHYSICAL PROPERTIES               | TEST METHOD                                                     | TYPICAL RESULTS                                                            |
|-----------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------|
| Thickness                         | ASTM D 1000<br>Substrate<br>Adhesive<br>Total (excluding liner) | 0.0023 inch (0.058 mm)<br>0.0012 inch (0.032 mm)<br>0.0035 inch (0.090 mm) |
| Adhesion to:<br>- Stainless Steel | ASTM D 1000<br>20 minute dwell<br>24 hour dwell                 | 35 oz/in (39 N/100 mm)<br>50 oz/in (55 N/100 mm)                           |
| - Epoxy PC Board                  | 20 minute dwell<br>24 hour dwell                                | 30 oz/in (33 N/100mm)<br>40 oz/in (44 N/100mm)                             |
| Tack                              | ASTM D 2979<br>Probe Tack<br>0.5 second dwell                   | 31 oz (850 g)                                                              |
| Drop Shear                        | PSTC-7                                                          | >100 hours                                                                 |

Samples were printed with the Brady Series R6000 Halogen Free ribbons. Samples were laminated to aluminum panels and allowed to dwell 24 hours prior to testing. Testing was conducted at room temperature and consisted of 15 minute immersion in specified test fluid. After immersion, the samples were removed from the test fluid and the printed image was rubbed 10 times with a cotton swab saturated with the test fluid. A rating scale of 1 – 5 is used in the table below to show the print quality of the samples tested upon exposure to different chemicals.

| CHEMICAL REAGENT    | SUBJECTIVE OBSERVATION OF VISUAL CHANGE |          |
|---------------------|-----------------------------------------|----------|
|                     | EFFECTS TO PRINTED IMAGE                |          |
|                     | R6000 Halogen Free                      |          |
|                     | WITHOUT RUB                             | WITH RUB |
| 3% Alconox          | 1                                       | 1        |
| 5% Alconox          | 1                                       | 1        |
| Arnakleen E2003     | 1                                       | 2        |
| Saponifier 6%       | 1                                       | 1        |
| BIOACT EC-7         | 1                                       | 3        |
| Aquanox XJN-plus    | 1                                       | 4        |
| Axarel 32           | 1                                       | 2        |
| BIOACT SC-10        | 1                                       | 4        |
| BIOACT EC-7R        | 1                                       | 5        |
| Biokleen Saponifier | 1                                       | 4        |
| Chem Crest 2000X    | 1                                       | 4        |

|                  |   |   |
|------------------|---|---|
| IPA              | 1 | 4 |
| Aquanox SSA      |   |   |
| Lenium ES        | 1 | 5 |
| KNI Solvent      | 1 | 5 |
| Re-entry Presolv | 1 | 5 |
| Vigon SC         | 1 | 1 |
| Vigon US         | 1 | 4 |

**Rating:**

- 1 = No print removal/ no visible effect
- 2 = Slight print removal
- 3 = Moderate print removal
- 4 = Severe print removal
- 5 = Complete print removal

**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:**

- ASTM: American Society for Testing and Materials (U.S.A.)
- Alconox® is a registered trademark of Alconox Co.
- Aquanox SSA™ is a trademark of Kyzen Corporation.
- BIOACT® is a registered trademark of Petroferm, Inc.
- EC-7™ is a trademark of Petroferm Inc.
- PSTC: Pressure Sensitive Tape Council (U.S.A.)
- RE-ENTRY® is a registered trademark of Environsolv Inc.
- Vigon® is the registered trademark of Zestron Corporation

**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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