

B-8114 MATTE BLACK POLYIMIDE LABEL STOCK

TDS No. B-8114
Effective Date: 04/18/2019

Description:

GENERAL

Print Technology: Thermal Transfer

Materials Type: Polyimide

Finish: Matte

Adhesive: Permanent Acrylic

RECOMMENDED RIBBONS

Brady Series R8970 white ribbon

REGULATORY/AGENCY APPROVALS

B-8114 is a UL Recognized Component when printed with the Brady Series R8970 white ribbon. See UL file PGJ2.MH25991 for specific details. B-8114 is also a UL Recognized Component in UL file PGDQ2.MH16386. UL information can be accessed on-line at UL.com in the UL Product iQ area.

B-8114 is a cUL Recognized Component when printed with the Brady Series R8970 white ribbon. See UL file PGJ18.MH25991 for specific details. B-8114 is also a UL Recognized Component in UL file PGDQ8.MH16386. UL information can be accessed on-line in the UL Product iQ area.

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

In Europe: www.bradyeurope.com/rohs

In Japan: www.brady.co.jp/products/labelsuse/rohs

All other regions: www.bradyid.com/weee-rohs

Details:

| PHYSICAL PROPERTIES | TEST METHOD | TYPICAL RESULTS |
|---------------------|--|--|
| Thickness | ASTM D1000 - Facestock - Adhesive - Total (excluding liner) | 0.042 mm (0.0016 in) 0.020 mm (0.0008 in) 0.062 mm (0.0030 in) |
| Peel Adhesion to: | ASTM D1000 | |
| - Stainless Steel | 20 minute dwell 24 hour dwell | 38 oz/in 43 oz/in |
| - Polycarbonate | 20 minute dwell 24 hour dwell | 45 oz/in 49 oz/in |
| Gloss | 60 degree | 9 GU |

Performance properties tested on B-8114 were printed with Series R8970 ribbon. Printed samples were laminated to aluminum and allowed to dwell 24 hours before exposure to the indicated environment.

| PROPERTIES | TEST METHOD | TYPICAL RESULTS |
|-------------------------------------|-------------------------------------|--|
| Abrasion Resistance | Taber Abraser CS-10 wheels, 250g | Label remained functional. Legibility was good up to 100 cycles. |
| High Service Temperature Resistance | 1000 hours at 100°C | Label remained functional. |
| Low Service Temperature Resistance | 1000 hours at -40 °C | Label remained functional. |
| Humidity Resistance | 1000 hours at 37 °C/95%RH | Label remained functional. |
| UV Resistance | ASTM G154 250 hours exposure | Label remained functional. |

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.)

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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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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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