

B-8114 MATTE BLACK POLYIMIDE LABEL STOCK

TDS No. B-8114
Effective Date: 01/16/2012

Description:

GENERAL

Print Technology: Thermal Transfer

Materials Type: Polyimide

Finish: Matte

Adhesive: Permanent Acrylic

RECOMMENDED RIBBONS

Brady Series R8970 white ribbon

COMPLIANCE

B-8114 is cUL recognized to PGJ18 under the file MH25991 as per UL969 standard.

B-8114 is cUL recognized to PGDQ8 under the file MH16386 as per UL969 standard.

Refer to Online Certifications Directory in www.ul.com for details.

Details:

PHYSICAL PROPERTIES	TEST METHOD	TYPICAL RESULTS
Thickness	ASTM D1000 - Facestock - Adhesive - Total	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 ribbons using BradyPrinterä THT Model 600X-Plus Thermal Transfer printer. 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.

Trademarks:

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

BradyPrinter™ is a trademark 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.

Copyright 2016 Brady Corporation Asia Pte. Ltd. | All Rights Reserved
Material may not be reproduced or distributed in any form without written permission.

Brady Asia | 1 Kaki Bukit Crescent | Singapore 416236 | Singapore | Tel: 65 6477.7261 | Fax: 65 6748.7248