

**B-8113 MATTE BLACK POLYESTER LABEL STOCK**

TDS No. B-8113  
Effective Date: 01/16/2012

**Description:**

**GENERAL**

**Print Technology:** Thermal Transfer

**Materials Type:** Polyester

**Finish:** Matte

**Adhesive:** Permanent Acrylic

**RECOMMENDED RIBBONS**

Brady Series R8970 white ribbon

**COMPLIANCE**

B-8113 is cUL recognized to PGJ18 under the file MH25991 as per UL969 standard. Refer to Online Certifications Directory in [www.ul.com](http://www.ul.com) for details.

**Details:**

PHYSICAL PROPERTIES	TEST METHOD	TYPICAL RESULTS
Thickness	ASTM D1000 - Facestock - Adhesive - Total	0.056 mm (0.0022 in) 0.020 mm (0.0008 in) 0.076 mm (0.0030 in)
Peel Adhesion to:	ASTM D1000	
- Stainless Steel	20 minute dwell 24 hour dwell	40 oz/in 50 oz/in
- Polycarbonate	20 minute dwell 24 hour dwell	51 oz/in 56 oz/in
Gloss	60 degree	3 GU

Performance properties tested on B-8113 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	Legibility was good up to 100 cycles.
High Service Temperature Resistance	1000 hours at 80°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.)

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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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