

**BRADY B-7575 THERMAL TRANSFER PRINTABLE TAMPER EVIDENT METALLIZED SILVER POLYESTER LABEL STOCK**

TDS No. B-7575  
Effective Date: 05/29/2015

**Description:**

**GENERAL**

B-7575 is a satin metallized silver polyester film with a permanent acrylic pressure sensitive adhesive and a topcoat specifically formulated for thermal transfer printing.

**APPLICATIONS**

B-7575 is designed for applications such as rating and serial plates that require both high performance and evidence of removal.

**SPECIAL FEATURES**

B-7575 is designed to leave a highly visible diamond checkerboard footprint when the label is removed. In addition, a checkerboard pattern will appear on the top surface of the label in order to prevent it from being reused. Recommended 24 hour room temperature dwell before removal for full tamper evident performance. The adhesive nature of this product requires minimal handling and is not repositionable.

**RECOMMENDED RIBBONS**

R8965  
R4900

**AGENCY APPROVALS**

Brady B-7575 is a UL Recognized component when printed with Brady series R4900. See UL file MH17388 for specific details.

**ROHS Environmental Compliance**

Brady B-7575 is RoHS compliant to RoHS directive 2011/65/EU

**Details:**

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	ASTM D 1000 - Substrate - Adhesive - Total	0.060 mm (0.0024 inch) 0.015 mm (0.0006 inch) 0.075 mm (0.003 inch)
Adhesion to:	ASTM D 1000	
- Stainless Steel	24 hour dwell	64 N/100 mm (59 oz/inch)
- Smooth ABS	24 hour dwell	73 N/100 mm (67 oz/inch)
- Polyethylene	24 hour dwell	39 N/100 mm (36 oz/inch)
- Rough ABS	24 hour dwell	33 N/100 mm (30 oz/inch)
Drop Shear	PSTC-7	18 hours minimum

Performance properties tested on B-7575 samples printed using Series R-4900 and R8965 ribbons and a BradyPrinter THT Model 600X Plus Thermal Transfer Printer. The labels were printed with alphanumeric and 3:1 ratio with 6 mil minimum X dimension barcode. Printed samples of B-7575 were laminated to aluminum before exposure to the indicated environmental condition.

PERFORMANCE PROPERTIES	TEST METHODS	TYPICAL RESULTS
High Service Temperature	30 days at 70°C (158°F)	No visual effect
Low Service Temperature	30 days at -20°C (-4°F)	No visual effect
Humidity Resistance	30 days at 38°C (100°F), 95% R.H.	No visual effect
UV Light Resistance	30 days in Q-Sun Xenon Arc Tester	No visual effect
Weatherability	ASTM G 26 30 days in Xenon Arc Weatherometer	Slight yellowing of topcoat.

The tamper evident pattern of B-7575 was retained after exposure to all listed conditions except for weatherometer. After 30 days in weatherometer the label breaks upon removal.

PERFORMANCE PROPERTY	TEST METHODS	TEST RESULTS R-8965	TEST RESULTS R-4900
Abrasion Resistance	Method 5306 of Federal specification 191 A CS 10 wheels, 250 g/arm, 100 cycles	Fading but text remains legible	Fading but text remains legible
Adhesion/Temperature Properties	Labels are applied to ABS and Aluminum. The labels are kept in the temperature chamber until 80 °C is reached. Straight after label is removed from surface.	Cannot be used again because of tamper evident pattern.	Cannot be used again because of tamper evident pattern.
Solvent Resistance	100 cycles with CS 5 Felt 250 g/arm saturated with specified test liquid:  Isopropanol Gasfuel Petroleum ether 60/95	No visible effect No visible effect No visible effect	No visible effect Very slight fading No visible effect

Product testing, customer feedback, and history of similar products, support a customer performance expectation of at least **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 degrees F and 60% RH*. We are confident that our product will perform well beyond this time frame. However, it remains the responsibility of the user to assess the risk of using such product. We encourage customers to develop functional testing protocols that will qualify a product's fitness for use, in their actual applications.

**Trademarks:**

BradyPrinter™ is a trademark of Brady Worldwide, Inc.  
 ASTM: American Society for Testing and Materials (U.S.A.)  
 PSTC: Pressure Sensitive Tape Council (U.S.A.)

**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**

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