

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

TDS No. B-7575
Effective Date: 02/08/2019

Description:

GENERAL

Print Technology: Thermal transfer

Material Type: Polyester

Finish: Satin metallized

Adhesive: Permanent acrylic

APPLICATIONS

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

RECOMMENDED RIBBONS

Brady Series R8965

Brady Series R4900

REGULATORY/AGENCY APPROVALS

UL: Brady B-7575 is a UL Recognized Component to UL969 Labeling and Marking Standard when printed with Brady Series R4900 ribbon. See UL file MH17388 for specific details. UL information can be accessed on-line at UL.com 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

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.

Details:

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	ASTM D 1000 - Substrate - Adhesive - Total (excluding liner)	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 the Brady Series R4900 and the Brady Series R8965 ribbons. 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 R8965	TEST RESULTS R4900
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

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.)
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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