

**BRADY B-367 CUSTOM FOOT PRINTING TAMPER-EVIDENT POLYPROPYLENE LABEL STOCK**

TDS No. B-367  
Effective Date: 09/26/2019

**Description:**

**GENERAL**

**Print Technology:** Thermal Transfer

**Material Type:** Polypropylene

**Finish:** Gloss, available in white, black, gray and custom colors

**Adhesive:** Tamper Indicating Rubber

**APPLICATIONS**

Customized rating plates, tamper seals, or package closures that require high performance and evidence of label removal.

**RECOMMENDED RIBBONS**

Brady Series R6000 Halogen Free

**REGULATORY**

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](http://www.bradycanada.ca/weee-rohs)

In Europe: [www.bradyeurope.com/rohs](http://www.bradyeurope.com/rohs)

In Japan: [www.brady.co.jp/products/labelsuse/rohs](http://www.brady.co.jp/products/labelsuse/rohs)

All other regions: [www.bradyid.com/weee-rohs](http://www.bradyid.com/weee-rohs)

**SPECIAL FEATURES**

B-367 is designed to leave a customized footprint pattern (i.e. logos, special warnings, instructions, etc) when the label is removed. In addition, the footprint pattern will appear on the top surface of the label in order to prevent it from being reused. Contact Brady for design footprint restrictions and minimum order requirements.

A 24-hour dwell period is recommended before removal for full tamper evident performance. The adhesive nature of this product does not allow for repositioning and requires minimal handling in order to prevent prematurely exposed footprint pattern.

**Details:**

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	ASTM D 1000 -Substrate -Adhesive -Total	0.0024 inch (0.061 mm) 0.001 inch (0.025 mm) 0.0034 inch (0.086 mm)
Adhesion to:	ASTM D 1000	
- Stainless Steel	20 minute dwell	30 oz/in (33 N/100 mm)
- Aluminum	20 minute dwell	54 oz/in (59 N/100mm)
- Glass	20 minute dwell	31 oz/in (34 N/100mm)
- Smooth ABS	20 minute dwell	49 oz/in (54 N/100mm)
- Polypropylene	20 minute dwell	40 oz/in (44 N/100mm)
- Painted enamel	20 minute dwell	49 oz/in (54 N/100mm)
- Powder coated enamel	20 minute dwell	47 oz/in (51 N/100mm)
- PVC Plastic Clamshell	20 minute dwell	47 oz/in (51 N/100mm)
- Uncoated/Unprinted Corrugated Cardboard	20 minute dwell	41 oz/in (45 N/100mm)
- Coated/Printed Corrugated Cardboard	20 minute dwell	50 oz/in (55 N/100mm)
Shear Adhesion Failure Temperature (SAFT)	ASTM D4498-95 (with modification using test area of 22mm x 25mm and 1Kg)	99.6°C

	weight)	
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Tamper evident performance properties tested on B-367 laminated to the indicated surfaces and exposed to the indicated environments. The label was removed at 135° angle with a peel rate of 30 in/min and the remaining "footprint" pattern was observed. Footprint size tested was 1.3 mm in height to 4 mm in height. Please note, customers are encouraged to always evaluate B-367 in their actual applications.

<b>SUBJECTIVE OBSERVATION OF ADHESIVE PERFORMANCE (PERCENTAGE OF FOOTPRINT PATTERN TRANSFERRED TO SURFACE)</b>
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SURFACE TYPE	24 hours @ 72°F (22°C)	30 days at 104°F (40°C)	30 days at -40°F (-40°C)
Laminated to: Stainless Steel	100%	100%	100%
-Aluminum	100%	100%	100%
-Glass	100%	100%	100%
-Smooth ABS	100%	100%	100%
-Polypropylene	100%	100%	100%
-Painted enamel	100%	100%	100%
- Powder coated metal	20%-60%	30%-90%	20%-60%
- PVC Plastic Clamshell	100%	100%	100%
- Uncoated/Unprinted Corrugated Cardboard*	5%-20%*	20%-50%*	20%-40%*
- Coated/Printed Corrugated Cardboard	100%	100%	100%

\*In all cases label cannot be reused due to the corrugated box tearing and removing with the label.

Performance properties tested on B-367 samples printed using the Brady Series R6000 Halogen Free ribbon. Printed samples of B-367 were laminated to aluminum before exposure to the indicated environmental condition.

PERFORMANCE PROPERTIES	TEST METHODS	TYPICAL RESULTS
Long Term High Service Temperature	30 days at 194°F (90°C)	-No visible effect to label -100% of footprint pattern transferred to aluminum when removed from panel
Long Term Low Service Temperature	30 days at -94°F (-70°C)	-No visible effect to label -100% of footprint pattern transferred to aluminum when removed from panel
Short Term High Service Temperature <i>(labels were laminated to 10 mil white polyester 24 hours before exposure)</i>	15 minutes at various temperatures	120°C and 130°C- No visible effect to label, 100% of footprint pattern transferred to aluminum when removed from panel  145°C- Slight yellowing, shrinkage and tunneling of label, 100% of footprint pattern transferred to aluminum when removed from panel
Humidity Resistance	30 days at 104°F (40°C), 85% RH	-No visible effect to label -100% of footprint pattern transferred to aluminum when removed from panel
UV Light Resistance	ASTM G 26 (without water) 30 days in Q-Sun Xenon Test Chamber	-Label cracked and will not remove from panel*
Weatherability	ASTM G 26 30 days in Xenon Arc Weatherometer	-Label cracked and will not remove from panel*

\* Label is not recommended for outdoor application

Chemical Resistance tested on B-367 samples printed with the Brady Series R6000 Halogen Free ribbon. Printed samples of B-367 were laminated to aluminum before exposure to the indicated chemical reagent. Test was conducted at room temperature after 24 hour dwell. Testing consisted of one 5 minute immersion in the specified chemical reagent. After immersion, samples were rubbed 10 times with cotton swab saturated with test fluid.

CHEMICAL REAGENT	SUBJECTIVE OBSERVATION OF VISUAL CHANGE		
	LABEL STOCK SUBSTRATE / ADHESIVE	R6000 Halogen Free EFFECTS OF IMMERSION	R6000 Halogen Free COTTON SWAB RUBS
Methyl Ethyl Ketone	No visible effect	No visible effect	Moderate removal
Toluene	No visible effect	No visible effect	Moderate removal
Acetone	No visible effect	No visible effect	Moderate removal
Isopropyl Alcohol	No visible effect	No visible effect	No visible effect
Heptane	No visible effect	No visible effect	No visible effect
Mineral spirits	No visible effect	No visible effect	No visible effect
Gasoline	No visible effect	No visible effect	No visible effect
Lighter Fluid	No visible effect	No visible effect	No visible effect
Naphtha	No visible effect	No visible effect	No visible effect
Lacquer Thinner	No visible effect	No visible effect	Severe removal
Goof Off	No visible effect	No visible effect	Moderate removal
Dish Detergent	No visible effect	No visible effect	No visible effect
Formula 409®	No visible effect	No visible effect	No visible effect
Windex	No visible effect	No visible effect	No visible effect
Deionized Water	No visible effect	No visible effect	No visible effect

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.)  
 Formula 409® is a registered trademark of the Clorox Company  
 PSTC: Pressure Sensitive Tape Council (U.S.A.)  
 UL: Underwriters Laboratories Inc. (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.

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**WARRANTY**

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