

B-335 CLEAR POLYESTER INVISIBLE HOLOGRAPHIC DRY PEEL TAMPER LABEL

TDS No. B-335

Effective Date: 21-August-2017

Description:

GENERAL:

Print Technology: Thermal Transfer and Pre-printed

Material Type: Polyester

Finish: Clear, Gloss

Adhesive: Tamper Indicating Permanent Acrylic

Release Liner: Clear Polyester

APPLICATIONS:

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

RECOMMENDED RIBBONS:

Brady Series R6000 black ribbon

Brady Series R4900 and R6200 (alternatives)

REGULATORY/AGENCY APPROVALS:

B-335 is RoHS compliant to Directive 2011/65/EU June 8 2011, (Amendment 2015/863)

SPECIAL FEATURES:

B-335 is super clear so it does not interfere with the application surface graphics. This is an ideal product where a tamper-evident label needs to be applied to a difficult surface that normal tamper-evident labels do not work on due to their aggressive nature. A typical substrate being cardboard boxes of all types of finishes.

B-335 is designed to leave a dry (no sticky residue) footprint pattern when the label is removed. When the product is tampered with, the layers split showing a hologram and VOID pattern. In addition, the surface label cannot be stuck back down or re-used.

A 30 minute 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.

Customized tamper patterns (ex. logos, special warnings, instructions, etc) are available. Contact Brady for design restrictions and minimum order requirements.

Details:

Property	Test Method	Average Results
Thickness	ASTM D1000 - Substrate - Adhesive - Total - Release Liner	0.0014 inch (36.0 µm) 0.0010 inch (25.4 µm) 0.0024 inch (61.4 µm) 0.0013 inch (33.0 µm)

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Service Temperature	Expected Temperature Range	-40°F to 302°F (-40°C to 150°C)
Application Temperature	Expected Temperature Range	Minimum 35.6°F (2°C)
Release from liner, g/in	ASTM D1000	0.35 oz/in (10.0 g/in)
Tack, g	ASTM2979 Polyken™ Probe Tack 1 second dwell	53 oz (1500g)
Shear Adhesion Failure Temperature (SAFT), °C	ASTM D4498-95 -with modification using test area of 22mmx25mm & 1Kg weight	117°C
Adhesion to:	ASTM D1000 (@ 72°F (22°C))	
-Stainless Steel	30 minute dwell 24 hr dwell	3.1 oz/in (3.4 N/100mm) 2.0 oz/in (2.2 N/100mm)
-Acrylic	30 minute dwell 24 hr dwell	0.83 oz/in (0.91 N/100mm) 1.6 oz/in (1.7 N/100mm)
-Aluminum	30 minute dwell 24 hr dwell	2.5 oz/in (2.8 N/100mm) 2.5 oz/in (2.8 N/100mm)
-Glass	30 minute dwell 24 hr dwell	0.72 oz/in (0.78 N/100mm) 1.7 oz/in (1.9 N/100mm)
-Smooth ABS	30 minute dwell 24 hr dwell	2.4 oz/in (2.6 N/100mm) 1.9 oz/in (2.1 N/100mm)
-Textured ABS	30 minute dwell 24 hr dwell	8.3 oz/in (9.1 N/100mm) 10.1 oz/in (11.1 N/100mm)
-Polypropylene	30 minute dwell 24 hr dwell	0.71 oz/in (0.78 N/100mm) 1.7 oz/in (1.9 N/100mm)
-Painted Enamel	30 minute dwell 24 hr dwell	2.4 oz/in (2.7 N/100mm) 1.7 oz/in (1.9 N/100mm)
-Powder Coated Metal	30 minute dwell 24 hr dwell	6.0 oz/in (6.5 N/100mm) 5.7 oz/in (6.2 N/100mm)
-Uncoated Corrugated Cardboard	30 minute dwell 24 hr dwell	6.7 oz/in (7.3 N/100mm) 5.1 oz/in (5.6 N/100mm)

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-Coated Corrugated Cardboard	30 minute dwell 24 hr dwell	5.0 oz/in (5.4 N/100mm) 3.5 oz/in (3.8 N/100mm)
-Uncoated/Printed fiberboard	30 minute dwell 24 hr dwell	4.8 oz/in (5.3 N/100mm) 2.0 oz/in (2.2 N/100mm)

**SUBJECTIVE OBSERVATION OF ADHESIVE PERFORMANCE
(PERCENTAGE OF FOOTPRINT PATTERN TRANSFERRED TO SURFACE)
Dwell Time: 24 hours @ 72°F (22°C)**

SURFACE TYPE	SURFACE FOOTPRINT	FACESTOCK FOOTPRINT
Stainless Steel	100%	100%
Acrylic	100%	100%
Aluminum	100%	100%
Glass	100%	100%
Smooth ABS	100%	100%
Textured ABS	60%, slight tack	60%
Polypropylene	100%	100%
Painted Enamel	100%	100%
Powder Coated Metal	100%	100%
Uncoated Corrugated Cardboard	100%	100%
Coated Corrugated Cardboard	100%	100%
Uncoated/Printed fiberboard	100%	100%

*non-tacky footprint left on surface, unless noted

Trademarks:

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

Polyken™ is a trademark of Testing Machines Inc.

Note: All values shown are averages and should not be used for specification purposes.

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WARRANTY

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