

B-8488 MATTE WHITE POLYESTER LABEL STOCK

TDS No. B-8488
Effective Date: 02/04/2019

Description:

GENERAL

Print Technology: Thermal Transfer

Materials Type: Polyester

Finish: Matte White

Adhesive: Permanent Acrylic

RECOMMENDED RIBBONS

Brady Series R6000 Halogen Free

Brady Series R4900

REGULATORY/ AGENCY APPROVALS

UL: B-8488 label is a UL recognized component to UL969 Labeling and Marking Standard when printed with the Brady Series R8964 or the Brady Series R4900 ribbons. See UL files MH25991 and MH16386 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.bradyc.co.jp/products/labelsuse/rohs

All other regions: www.bradyd.com/weee-rohs

SPECIAL FEATURES

B-8488 *adhesive* compositionally meets the requirement of US FDA 21 CFR 175.105 (Adhesive) for use in food packaging.

Details:

PHYSICAL PROPERTIES	TEST METHOD	TYPICAL RESULTS
Thickness	ASTM D1000	
	Substrate	0.075 mm (0.003 in)
	Adhesive	0.055 mm (0.002 in)
	Total (excluding liner)	0.020 mm (0.001 in)
Peel Adhesion to:	ASTM D1000	
- Stainless Steel	20 minute dwell 24 hour dwell	48 N/100mm (45 oz/in) 68 N/100mm (61 oz/in)

Performance properties tested on B-8488 were printed with the Brady Series R6000 Halogen Free ribbon. Printed samples were laminated to aluminum and allowed to dwell 24 hours before exposure to the indicated environment. Unless noted, results are the same for the Brady Series R4900 ribbon.

PROPERTIES	TEST METHOD	TYPICAL RESULTS
Short Term High Service Temperature	2 hours at 120°C	No visible change
	2 hours at 150°C	No visible change
	2 hours at 170°C	No visible change
Long Term High Service Temperature	30 days at 100 °C	No visible change
Long Term Low Service Temperature	30 days at -40 °C	No visible change
Humidity Resistance	30 days at 37 °C/ 95% RH	No visible change
UV Resistance	ASTM G154 30 days exposure in QUV	Slight discolouration of label. No print removal observed. Label remained functional.

Weatherability	ASTM G155 30 days exposure in Xenon Arc Weatherometer	Slight discolouration of label. No print removal observed. Label remained functional.
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Samples were printed with the Brady Series R6000 Halogen Free ribbon. Samples were laminated to aluminum panels and allowed to dwell 24 hours prior to testing. Testing was conducted at room temperature and consisted of 15-minute immersion in specified test fluid. After immersion, the samples were removed from the test fluid and the printed image was rubbed 10 times with a cotton swab saturated with the test fluid. Visual observations were carried out and a rating scale of 1 – 5 is used in the table below to show the print quality of the samples tested upon exposure to different chemicals.

CHEMICAL REAGENT	SUBJECTIVE OBSERVATION OF VISUAL CHANGE		
	EFFECTS TO MATERIAL	EFFECTS TO PRINTED IMAGE	
		R6000 Halogen Free	
		WITHOUT RUB	WITH RUB
Isopropyl alcohol (IPA)	No visible effect	1	1
Toluene	No visible effect	1	5
Gasoline	No visible effect	1	5
Mineral Spirit	No visible effect	1	1
Hexane	No visible effect	1	1
BIOACT EC7	No visible effect	1	2 - 3
Deionised water	No visible effect	1	1
3% Alconox	No visible effect	1	1
Methylethylketone (MEK)	No visible effect	1	5
10% Sulphuric acid	No visible effect	1	1
10% Sodium hydroxide	No visible effect	1	1
SAE 40	No visible effect	1	1

Rating scale:

- 1 = No visible effect
- 2 = Slight print removal
- 3 = Moderate print removal
- 4 = Severe print removal
- 5 = Complete print removal

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.)
Alconox® is a registered trademark of Alconox Co.
BIOACT® is a registered trademark of Petroferm, Inc.
BradyPrinter™ is a trademark of Brady Worldwide, Inc.
EC-7™ is a trademark of Petroferm Inc.

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.

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