

B-8115 THERMAL TRANSFER PRINTABLE POLYESTER LABEL STOCK WITH MATTE BLACK FINISH

TDS No. B-8115

Effective Date: 05/15/2019

Description:

GENERAL

Print Technology: Thermal Transfer

Materials Type: Polyester

Finish: Matte

Adhesive: Permanent Acrylic

RECOMMENDED RIBBONS

Brady Series RR225 white ribbon

Brady Series RR224 white ribbon

Brady Series R4400 white ribbon

Brady Series R8972 silver ribbon

REGULATORY/AGENCY APPROVALS

B-8115 is a UL recognized Component to UL969 Labeling and Marking Standard when printed with the Brady Series R4400 White, RR224 White, RR225 White and B8972 silver ribbons. See UL file 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-8115 is halogen-free in accordance to definition in EN 14582:2007.

Details:

PHYSICAL PROPERTIES	TEST METHOD	TYPICAL RESULTS
Thickness	ASTM D1000 -Substrate -Adhesive -Total (excluding liner)	0.0031 inch (0.080mm) 0.0009 inch (0.024mm) 0.0040 inch (0.104mm)
Peel Adhesion to: - Stainless Steel	ASTM D1000 20 minute dwell 24 hour dwell	 50 oz/in (55 N/100mm) 52 oz/in (57 N/100mm)
Loop Tack	ASTM D 6195	1700g

Performance properties tested on B-8115 printed with Brady series RR225, RR224, R4400 and R8972. Printed samples of B-8115 were laminated to aluminum and allowed to dwell 24 hours before exposure to the indicated environmental conditions.

PROPERTIES	TEST METHOD	TYPICAL RESULTS
Low Service Temperature	30 days at -40°C	No visual effect
High Service Temperature	30 days at 150°C	No visual effect
Abrasion Resistance	Abrasion Resistance: Taber Abraser, CS-10 grinding wheels, 250 g/arm (Fed. Std. 191A, Method 5306)	RR225 print legible after 100 cycles R8972 print legible after 100 cycles R4400 print legible after 200 cycles R224 print legible after 100 cycles

PERFORMANCE PROPERTY	CHEMICAL RESISTANCE
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Samples were printed with Brady series RR225, RR224, R4400 and R8972 ribbons. Samples were laminated to aluminum panels and allowed to dwell 24 hours prior to testing. Testing was conducted at room temperature and consisted of 10 minute immersions in the specified test fluid. After immersion, the samples were removed from the test fluid and the printed image rubbed 10 times with a cotton swab saturated with the test fluid. The rating scale below shows the effect to the quality of the print for each sample.

CHEMICAL REAGENT	EFFECTS TO PRINTED IMAGE							
	RR225		RR224		R4400		R8972	
	WITHOUT RUB	WITH RUB	WITHOUT RUB	WITH RUB	WITHOUT RUB	WITH RUB	WITHOUT RUB	WITH RUB
Ethanol	1	1	1	1	1	3	1	1
Isopropyl Alcohol	1	1	1	1	1	1	1	1
Distilled Water	1	1	1	1	1	1	1	1

Rating Scale:

1= no visible effect

2= slight smear or print removal, detectable but minimal smear

3= moderate smear or print removal (print still legible)

4= severe smear or print removal (print illegible or just barely legible)

5= complete print and/or topcoat removal

NP= print removed prior to rub

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.)

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.

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

Brady products are sold with the understanding that the buyers will test them in actual use and determine for themselves their adaptability to their intended uses. Brady warrants to the buyers that its products are free from defects in material and workmanship, but limits its obligation under this warranty to replacement of the product shown to Brady's satisfaction to have been defective at the time Brady sold it. This warranty does not extend to any persons obtaining the product from the buyers. This warranty is in lieu of any other warranty, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose, and of any other obligations or liability on Brady's part. Under no circumstances will Brady be liable for any loss, damage, expense, or consequential damages of any kind arising in connection with the use, or inability to use, Brady's products.

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