Technical Data Sheet

BRADY B-7695 DOUBLE SIDED PRE-PRINTED POLYESTER TAG LAMINATED WITH A MATT CLEAR THT PRINTABLE POLYESTER.

TDS No. B-7695
Effective Date: 03/09/2021

Description:

GENERAL

Print technology: Pre-printed + Thermal Transfer
Base Material type: White polyester

Type overlaminating material : Clear polyester
Finish overlaminating material: Matt
Adhesive overlaminating material: Permanent acrylic

APPLICATIONS

Tag material with the advantages of double sided pre-printing and thermal transfer printability at the customer ‘s location.
The facestock resists tearing, the topcoat resists smudging and abrasion when printed with Brady thermal transfer ribbons.

RECOMMENDED RIBBONS

Brady series R6000 Halogen Free
Brady series R4900
Brady series R7961

AGENCY APPROVALS

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

Details:

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	**ASTM D 1000** Total thickness	0.324 mm (0.0127 inch)

Performance properties tested on B-7695 thermal transfer printed with Brady Series R6000 Halogen Free, R4900 and R7961 ribbons.

PERFORMANCE PROPERTIES	TEST METHOD	TYPICAL RESULTS
High Service Temperature	30 days at various temperatures	No visible effect to label at 120°C. yellowing at 150°C, but tag is still functional and print remains legible.
Low Service Temperature	30 days at various temperatures	No visible effect at -40°C and -80°C
Humidity Resistance	30 days at 100°F (37°C) and 95% relative humidity.	No visible effect
UV Light Resistance	30 days in Xenon Test Chamber	No visible effect
Weatherability*	ASTM G154 30 days in QUV	No visible effect

*B-7695 has limited outdoor use (1 year maximum)

PERFORMANCE PROPERTY	CHEMICAL RESISTANCE

Performance properties tested on B-7695 without thermal transfer printing. Samples were allowed to dwell 24 hours prior to testing. Tests were conducted at room temperature and consisted of 30 minute immersion, 1 day immersion and 7 day immersion in the specified test fluids. After immersion, the samples were removed from the test fluid. The rating scale below shows the effect to the tag for each sample.

CHEMICAL REAGENT	EFFECT TO TAG 30 minutes immersion	EFFECT TO TAG 1 day IMMERSION	EFFECT TO TAG 7 DAY IMMERSION
Deionized Water	1	1	1
Isopropyl Alcohol	1	1	1
Acetone	1	Slight overlaminate delamination	Complete overlaminate delamination
10% NaCL	1	1	1
Motor oil 10W60	1	1	1

Performance properties tested on overlaminated B-7695 and thermal transfer printed with Brady Series R6000 Halogen Free ribbon. Tests were conducted at room temperature. Samples were allowed to dwell 24 hours prior to testing. Testing consisted of 30 minutes immersion in the specified test fluid. After the final immersion the samples are rubbed 10 times with a cotton swab saturated with the test fluid.

CHEMICAL REAGENT	EFFECT TO MATERIAL	Effect to R6000 Halogen Free print without rub	Effect to R6000 Halogen Free print with rub
Ethanol	1	1	1
IPA	1	1	1
MEK	1	1	3
Acetone	1	1	3
Mineral spirit	1	1	1
Diesel	1	1	1

Gasoline	1	1	2
Sulphuric Acid 10%	1	1	1
Sodium Hydroxide 10%	1	1	1
Water	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:
S.I.: International System of Units

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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