

BRADY B-7574 MATTE WHITE POLYESTER LABEL STOCK

TDS No. B-7574
Effective Date: 12/04/2024

Description:

GENERAL

Print Technology: Thermal transfer
Material Type: Polyester
Finish: Matte
Adhesive: Permanent acrylic

APPLICATIONS

Under-the-bonnet labeling, asset identification, name- and rating-plates identification, chemical drum labeling, flag labeling for Cable & Wire identification.

RECOMMENDED RIBBONS

Brady Series R6400

REGULATORY 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:

B-7574 is designed to withstand numerous solvents and fluids common to the automotive industry.
B-7574 is tested per TL52038 index B (Issue 2021-11), details available upon request.

Details:

PHYSICAL	TEST METHODS	AVERAGE RESULTS
Thickness	ASTM D 1000 -Substrate -Adhesive -Total (excluding liner)	0.055 mm 0.024 mm 0.079 mm
Adhesion to:	ASTM D 1000	
-Stainless Steel	20 minute dwell 24 hour dwell	70 N/100 mm 82 N/100 mm
-Polyethylene	20 minute dwell 24 hour dwell	48 N/100 mm 50 N/100 mm
-Powder coated aluminum	20 minute dwell 24 hour dwell	79 N/100 mm 89 N/100 mm

Performance properties tested on B-7574 printed with the Brady Series R6400 thermal transfer ribbon. Printed samples were laminated to aluminum and allowed to dwell 24 hours before exposure to the indicated environments.

PERFORMANCE PROPERTIES	TEST METHODS	TYPICAL RESULTS
High service temperature	30 days at 110°C 30 days at 120°C 30 days at 150°C	No visible effect No visible effect Slight yellowing, print remains legible
Low service temperature	30 days at -40°C	No visible effect
Humidity Resistance	30 days at 37°C and 95% R.H.	No visible effect
UV Light Resistance	30 days in Q-Sun Xenon Test Chamber Model Xe-3	No visible effect
Weatherability	ASTM G154, Cycle 1, 30 days in QUV Accelerated Weathering tester Model QUV/se	Very slight yellowing, print remains legible
Abrasion resistance	Taber Abraser, CS-10 grinding wheels, 500 g/arm, 40 cycles	Slight fading of the print, label remains functional

PERFORMANCE PROPERTY	CHEMICAL RESISTANCE
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Samples were printed with the Brady Series R6400 thermal transfer ribbon. Printed samples were laminated to aluminum and allowed to dwell for 24 hours prior to testing. Tests conducted at room temperature. Testing consisted of 5 cycles of 10 minute immersions in the specified test fluid followed by a 30 minute recovery period. After final immersion the samples were rubbed 10 times with cotton swabs saturated with test fluid.

	SUBJECTIVE OBSERVATION OF VISUAL CHANGE	
	WITHOUT RUB	WITH RUB
Methyl ethyl ketone	1	1
Toluene	1	1
DOT 4 Brake Fluid	1	1
Gasoline E10	1	2
Diesel B7	1	1
Hyjet IV Hydraulic Fluid	2	5
IRM 903 oil	1	1
MIL 5606 oil	1	1
Skydrol® 500B-4	1	1
Acetone	1	1
Deionized water	1	1
30% Sodium Hydroxide Solution	1	1
10% Sulphuric Acid Solution	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
- 5= complete print and/or topcoat 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.)
Skydrol® is a registered trademark of the Monsanto Company

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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