

BRADY B-7573 MATTE WHITE POLYESTER LABEL STOCK

TDS No. B-7573
Effective Date: 05/29/2015

Description:

GENERAL

Print Technology: Thermal transfer
Materials Type: White polyester
Finish: Matte
Adhesive: Permanent acrylic

APPLICATIONS

Under-the-bonnet labeling, asset identification, name- face- and rating-plates identification, chemical drum labeling, etc.

RECOMMENDED RIBBONS

Brady Series R-6400

ROHS Environmental Compliance

Brady B-7573 is RoHS compliant to RoHS directive 2011/65/EU

SPECIAL FEATURES

B-7573 is designed to withstand numerous solvents and fluids common to the automotive industry

Details:

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness - Substrate - Adhesive - Total	ASTM D 1000	0.060 mm (0.0024 inch) 0.030 mm (0.0011 inch) 0.090 mm (0.0035 inch)
Adhesion to Stainless Steel Polyethylene	ASTM D 1000 20 minute dwell 24 hour dwell 20 minute dwell 24 hour dwell	79 N/100 mm (72 oz/in) 89 N/100 mm (81 oz/in) 53 N/100 mm (48 oz/in) 59 N/100 mm (54 oz/in)

Performance properties tested on B-7573 printed with black ribbon R-6400 using the Bradyprinter™ THT Model 600X-Plus thermal transfer printer. Printed samples were laminated to aluminum and allowed to dwell 24 hours before exposure to the indicated environments.

PERFORMANCE PROPERTIES	TEST METHOD	TYPICAL RESULTS
High Service Temperature	30 days at 110°C (230°F) 30 days at 150°C (302°F)	Slight yellowing of label, no visible effect on print Moderate yellowing of label, no visible effect on print
Low Service Temperature	30 days at -40°C (-40°F)	No visible effect
Humidity Resistance	30 days at 37°C (99°F), 95% R.H.	No visible effect
UV Light Resistance	30 days in Q-Sun Xenon Arc tester	Slight yellowing of label, no visible effect on print
Weatherability	ASTM G154 30 days in QUV	No visible effect
Abrasion Resistance	Fed. Std. 191A, Method 5306 Taber Abraser, CS-10 grinding wheels 500 g/arm, 100 cycles	Slight fading, label remains functional

PERFORMANCE PROPERTY	CHEMICAL RESISTANCE
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Samples were printed with black ribbons R-6400 using the Bradyprinter™ THT Model 600X-Plus thermal transfer printer. Printed samples were laminated to aluminum and allowed to dwell 24 hours prior to testing. Test conducted at room

temperature except where noted. 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.

CHEMICAL REAGENT	SUBJECTIVE OBSERVATION OF VISUAL CHANGE	
	WITHOUT RUB	WITH RUB
Methyl Ethyl Ketone	1	1
Toluene	1	1
Dot 4 Brake Fluid	1	1
Petrol Fuel	1	2
Diesel Fuel	1	1
Hyjet IV Hydraulic Fluid	1	3
ASTM #3 Oil	1	3
Mil 5606 Oil	1	1
Skydrol® 500B-4	1	2
Acetone	1	1
LHM Brake Fluid	1	1
Deionized Water	1	1
30% Sodium Hydroxide Solution	1	5
10% Sulfuric Acid Solution	4	5

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:

Product testing, customer feedback, and history of similar products, support a customer performance expectation of at least **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 21° C (70° F) and 50% RH*. We are confident that our product will perform well beyond this time frame. However, it remains the responsibility of the user to assess the risk of using such product. We encourage customers to develop functional testing protocols that will qualify a product's fitness for use, in their actual applications.

Trademarks:

- ASTM: American Society for Testing and Materials (U.S.A.)
- BradyPrinter™ is a trademark of Brady Worldwide, Inc.
- Fed. Spec.: United States Federal Specification (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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