

--OBSOLETE--
Technical Data Sheet



BRADY B-7548 PREPRINTED POLYESTER OVERLAMINATED WITH A CLEAR POLYESTER

TDS No. B-7548

Effective Date: 17-Oct-2011

Description:**GENERAL**

Brady B-7548 is a surface printed 1 mil (25 µm) white polyester film with a permanent, rubber based, pressure sensitive adhesive and overlaminated with a clear polyester film.

APPLICATIONS

B-7548 is used as pipemarkers on small diameter pipes

Ink colors are: blue, yellow, green, red, black, silver, ochre, brown, purple, orange, and pink

ROHS Environmental Compliance

Brady B-7548 is RoHS compliant to 2005/618/EC MCV amendment to RoHS Directive 2002/95/EC.

Details:

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	ASTM D 1000 - Substrate - Adhesive - Total	0.076 mm (0.003 in) 0.051 mm (0.002 in) 0.127 mm (0.005 in)
Adhesion to:	ASTM D 1000	
- Stainless Steel	24 hours dwell	212 N/100 mm (194 oz/in)
- Polypropylene	24 hours dwell	176 N/100 mm (161 oz/in)
- Textured ABS	24 hours dwell	99 N/100 mm (90 oz/in)
- Powder Coated Metal	24 hours dwell	112 N/100 mm (103 oz/in)
Tack	ASTM D 2979 Polyken™ Probe Tack (1second dwell, 1 cm/sec separation)	1347 g (47 oz)
Drop Shear	PSTC-7	1000 h.

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 90° C (194° F)	N.V.E. at 90° C, slight discoloration at 120° C but label remains functional
Low service temperature	30 days at -40° C (-40° F)	N.V.E.
Humidity resistance	30 days in humidity chamber at 38° C (100° F) and 95% R.H.	N.V.E.
U.V. resistance	30 days in U.V. light chamber, Q-Sun Xenon	N.V.E.
Weatherability	30 days Q.U.V. (ASTM G-53)	N.V.E.

PERFORMANCE PROPERTY	CHEMICAL RESISTANCE
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Samples are laminated to aluminum panels and allowed to dwell 24 hours prior to testing. Test 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, samples rubbed 10 times with cotton swab saturated with test fluid.

CHEMICAL REAGENT	SUBJECTIVE OBSERVATION OF VISUAL CHANGE	
	LABEL STOCK SUBSTRATE / ADHESIVE	PRINTING AFTER IMMERSION AND COTTON SWAB RUBS
Isopropylalcohol	N.V.E.	N.V.E.
Aceton	Slight edge lift	N.V.E.
MEK	Slight adhesive ooze	N.V.E.
n-Hexane	Slight adhesive ooze	N.V.E.
Toluene	Slight/Moderate bleeding	N.V.E.
Diesel	N.V.E.	N.V.E.
Gasfuel	Moderate bleeding	Slight print removal
Iso-Octane	N.V.E.	N.V.E.
Alcohol Mixture*	N.V.E.	N.V.E.
Skydrol® 500B-4	Slight edge lift	N.V.E.
SAE 15W20 Oil	N.V.E.	N.V.E.
Sulfuric acid (10%)	N.V.E.	N.V.E.
Sodium Chloride (10%)	N.V.E.	N.V.E.
Water	N.V.E.	N.V.E.

* Alcohol mixture: 50% Methyl alcohol, 30% Ethyl alcohol, 20% Water

N.V.E.: No Visible Effect

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 80°F (27°C) and 60% 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:

Polyken™ is a trademark of Testing Machines Inc.

Skydrol® is a registered trademark of the Monsanto Company

ASTM: American Society for Testing and Materials (U.S.A.)

PSTC: Pressure Sensitive Tape Council (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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