



## Technical Data Sheet

### Brady B-7551 THERMAL TRANSFER MATTE TRANSPARENT POLYESTER

TDS No. B-7551

Effective Date: 02/08/2019

**Description:**

**GENERAL**

**Print Technology:** Thermal transfer

**Material Type:** Polyester

**Finish:** Matte

**Adhesive:** Permanent acrylic

**APPLICATIONS**

B-7551 is designed to use as overlamine and for general labeling.

**RECOMMENDED RIBBONS**

Brady Series R7961

Brady Series R4900

**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](http://www.bradycanada.ca/weee-rohs)

In Europe: [www.bradyeurope.com/rohs](http://www.bradyeurope.com/rohs)

In Japan: [www.bradyc.co.jp/products/labelsuse/rohs](http://www.bradyc.co.jp/products/labelsuse/rohs)

All other regions: [www.bradycid.com/weee-rohs](http://www.bradycid.com/weee-rohs)

**Details:**

PHYSICAL PROPERTIES	TEST METHOD	AVERAGE RESULTS
Thickness	ASTM D 1000 - Substrate - Adhesive - Total (excluding liner)	0.025 mm (0.001 inch) 0.025 mm (0.001 inch) 0.050 mm (0.002 inch)
Tack	ASTM D 2979 Polyken™ Probe Tack (0.5 sec dwell, 1cm/sec separation)	189 g (6.5 oz)
Abrasion resistant	Method 5306 of Federal Spec. 191A	R7961 : 100 cycles R4900 : 75 cycles
Adhesion to:	ASTM D 1000	
- Stainless steel	24 hours dwell	38 N/100 mm ( 35 oz/ inch)
- Textured ABS	24 hours dwell	18 N/100 mm ( 16 oz/ inch)
- Smooth ABS	24 hours dwell	48 N/100 mm ( 44 oz/ inch)

PERFORMANCE PROPERTIES	TEST METHOD	TYPICAL RESULTS
High Service Temperature	24 hours at 70°C ( 158°F)	No visible effect
Low Service Temperature	30 days at -20° C (-04° F)	No visible effect
Humidity Resistance	30 days in humidity chamber at 38° C (100°F) and 95 % R.H.	No visible effect
U.V. Resistance	30 days in UV Sunlighter™ 100	No visible effect
Weatherability	30 days QUV (ASTM G-53)	No visible effect

PERFORMANCE PROPERTY	CHEMICAL RESISTANCE
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ASTM D-896 at room temperature. Samples printed with the Brady Series R7961 thermal transfer ribbon. Testing consisted of five cycles of 10 min. immersion in the specified chemical reagent followed by 30 min. recovery periods. Cotton swab rub after final immersion.

CHEMICAL REAGENT	SUBJECTIVE OBSERVATION OF VISUAL CHANGE	
	After immersion	After additional rub (10 rubs )
Water	No visible effect	No visible effect
Soft soap	No visible effect	No visible effect
5% Sulfuric acid	No visible effect	No visible effect
5% Sodium chloride	No visible effect	No visible effect
10% Sodium Hydroxide	No visible effect	No visible effect
Alcohol mixture*	No visible effect	No visible effect
Isopropanol	No visible effect	Slight print fading
Petroleum ether	No visible effect	No visible effect
1,1,1-trichloroethane	No visible effect	Printing removed
Ethylacetate	No visible effect	Printing removed
Skydrol® 500B-4	No visible effect	Printing removed
n-hexane	No visible effect	No visible effect
Methylene chloride	Label destroyed	Label destroyed
Shell oil diala-oel-D	No visible effect	No visible effect

\* Alcohol mixture : mixture of 50% ethanol, 30% methanol, 20% distilled water

#### 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:

Skydrol® is a registered trademark of the Monsanto Company  
 Sunlighter™ is a trademark of the Test Lab Apparatus Company  
 Polyken™ is a trademark of Testing Machines Inc.  
 ASTM: American Society for Testing and Materials (U.S.A.)  
 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.

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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