

**BRADY B-7663 SATIN WHITE POLYPROPYLENE FOR INKJET PRINTING**

TDS No. B-7663  
Effective Date: 21/02/2022

**Description:**

**GENERAL**

**Print Technology:** Inkjet printing  
**Material Type:** White Polypropylene  
**Finish:** Satin  
**Adhesive:** Permanent Acrylic

**APPLICATIONS**

BRADY B-7663 is a special coated satin finish polypropylene material, qualified for use in roll form for on-demand printing on the VP750 Inkjet printer.

BRADY B-7663 is used indoors and provides excellent print quality results for product labelling, promotional labelling and industrial applications.

**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.brady.co.jp/products/labelsuse/rohs](http://www.brady.co.jp/products/labelsuse/rohs)
- All other regions: [www.bradyid.com/weee-rohs](http://www.bradyid.com/weee-rohs)

**Details:**

| PHYSICAL PROPERTIES      | TEST METHODS                                     | AVERAGE RESULTS                  |
|--------------------------|--|----------------------------------|
| Thickness                | ASTM D 1000<br>-Substrate<br>-Adhesive<br>-Total | 0.089 mm<br>0.023 mm<br>0.112 mm |
| Adhesion to:             | ASTM D 1000                                      |                                  |
| -Stainless Steel         | 20 minute dwell<br>24 hour dwell                 | 39 N/100 mm<br>100 N/100 mm      |
| -Glass                   | 20 minute dwell<br>24 hour dwell                 | 30 N/100 mm<br>61 N/100 mm       |
| -Polypropylene           | 20 minute dwell<br>24 hour dwell                 | 33 N/100 mm<br>38 N/100 mm       |
| -Powder Coated Aluminium | 20 minute dwell<br>24 hour dwell                 | 38 N/100 mm<br>51 N/100 mm       |

| PERFORMANCE PROPERTIES   | TEST METHODS             | TYPICAL RESULTS  |
|--------------------------|--------------------------|--|
| High service temperature | 30 days at 90°C (194°F)  | Slight color changing of the print and yellowing of the material |
|                          | 30 days at 80°C (176°F)  | No visible effect  |
| Low service temperature  | 30 days at -40°C (-40°F) | No visible effect  |

|                     |   |                              |
|---------------------|---|------------------------------|
| Humidity            | 30 days humidity chamber at 37°C (100°F) and 95% R.H.       | No visible effect            |
| UV Light Resistance | 30 days in Xenon Test Chamber                               | Complete fading of the print |
| Weatherability      | ASTM G154 30 days in QUV                                    | Complete fading of the print |
| Abrasion resistance | Taber Abraser, CS-10 grinding wheels<br>250g/arm,200 cycles | Very slight fading           |

|                             |                            |
|-----------------------------|----------------------------|
| <b>PERFORMANCE PROPERTY</b> | <b>CHEMICAL RESISTANCE</b> |
|-----------------------------|----------------------------|

Printed samples were laminated to aluminium panels and allowed to dwell for 24 hours prior to testing. Tests conducted at room temperature. Testing consisted of 30 minute immersions in the specified test fluid. After immersion the samples were rubbed 10 times with cotton swabs saturated with the test fluid.

|                        | <b>SUBJECTIVE OBSERVATION OF VISUAL CHANGE</b> |                 |
|------------------------|--|-----------------|
|                        | <b>WITHOUT RUB</b>                             | <b>WITH RUB</b> |
| Isopropyl Alcohol      | 1  | 1               |
| n-Hexane               | 1  | 1               |
| Toluene                | 1  | 1               |
| Deionised water        | 1  | 1               |
| Acetone                | 1  | 1               |
| Methyl ethyl ketone    | 1  | 1               |
| Sulphuric Acid (10%)   | 1  | 1               |
| Sodium Hydroxide (10%) | 3  | 3               |
| Skydrol® 500B-4        | 1  | 1               |
| Ethanol 96%            | 1  | 1               |
| Diesel B7              | 1*   | 1*              |
| Gasoline E10           | 1  | 1               |
| Iso Octane             | 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

\* = edge lift

**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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**WARRANTY**

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