

**BRADY B-7529 PREPRINTED POLYESTER OVERLAMINATED WITH A CLEAR PET LAMINATE**

TDS No. B-7529  
Effective Date: 07/12/2016

**Description:**

Brady B-7529 is a printed white polyester film with a permanent, acrylic based, pressure sensitive adhesive and overlaminated with a clear PET film.

B-7529 is used for pipemarkers and safety signs that need to be used outdoors for a very long period, up to 10 years and more.

B-7529 gives excellent adhesion to low surface energy surfaces, such as polypropylene and ABS, as well as on most powder coatings.

Standard ink colors are black, red (RAL 3001-GL), yellow (RAL 1003-GL), blue (RAL 5005-GL) and green (RAL 6032-GL).

**Details:**

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	ASTM D 1000 - Substrate - Adhesive - Total	0,103 mm (0,004 inch) 0.025 mm (0,001 inch) 0,128 mm (0,005 inch)
Adhesion to: - Stainless Steel  - Polypropylene  - Smooth ABS - Textured ABS  - Powder Coated	ASTM D 1000 20 minute dwell 24 hours dwell  20 minute dwell 24 hours dwell  20 minute dwell 24 hours dwell  20 minute dwell 24 hours dwell  20 minute dwell 24 hours dwell	69 N/100 mm 77N/100 mm  55 N/100 mm 62 N/100 mm  74 N/100 mm 92 N/100 mm  14 N/100 mm 21N/100 mm  76 N/100 mm 81N/100 mm
Tack	ASTM D 2979 Polyken™ Probe Tack (1 second dwell, 1 cm/sec separation)	578 g (20.4 oz)
Drop Shear	PSTC-7	3 hours

Printed samples laminated to aluminum and allowed to dwell for 24 hours before exposure to the indicated environments

PERFORMANCE PROPERTIES	TEST METHODS	TYPICAL RESULTS
High service temperature	Short term (1h) at 140° C (285° F)	No visible effect
	Long term (30 days) at 120° C (248° F)	Slight adhesive yellowing at 120° C. No visible effect at 100° C.
Low service temperature	30 days at -40° C (-40° F)	No visible effect at -40° C
Minimum application temperature		10°C (50°F)
Humidity Resistance	30 days humidity chamber at 38° C (100° F) and 95% R.H.	No visible effect
Weatherability	ASTM G53 5 month QUV	Very slight fading
UV resistance	5 month exposure to UV light	Very slight fading

PERFORMANCE PROPERTIES	CHEMICAL RESISTANCE
Finished products are laminated to aluminum panels and allowed to equilibrate for 24 hours prior to testing. Test are	

conducted at room temperature. Testing consists of five cycles of 10 min immersions in the specified test fluid, followed by 30 min recovery periods. After final immersion, samples are 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
Mineral oil	No visible effect	No visible effect
Toluene	Moderate edge lift	Printing damaged where edge lift occurs
Alcohol Mixture	No visible effect	No visible effect
Methyl ethyl ketone	Moderate edge lift	Printing damaged where edge lift occurs
1,1,1-Trichloroethane	Slight edge lift	Printing damaged where edge lift occurs
5% Sodium hydroxide	No visible effect	No visible effect
5% Sodium chloride	No visible effect	No visible effect
5% Sulfuric acid solution	No visible effect	No visible effect
Skydrol® 500B-4	No visible effect	No visible effect
2% Soft soap	No visible effect	No visible effect
Water	No visible effect	No visible effect
Petrol	No visible effect	No visible effect
Acetone	Label completely destroyed	Label completely destroyed

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 23° C (80° F) and 60% R.H. We are confident that the product will perform well beyond this time frame. However, it remains the responsibility of the user to assess the risk of using such product. Customers are encouraged to develop functional testing protocols that will qualify a product's fitness for use, in their actual applications.

#### Trademarks:

**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

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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