

BRADY B-7520 PREPRINTED LINERLESS POLYESTER OVERLAMINATED WITH A CLEAR POLYESTER

TDS No. B-7520
Effective Date: 09/27/2011

Description:

Brady B-7520 is a surface printed linerless white polyester film with a permanent, acrylic based, pressure sensitive adhesive and overlaminated with a clear silicone topcoated polyester film.

B-7520 is used for linerless pipemarkers.

B-7520 gives excellent adhesion to low surface energy surfaces, such as polypropylene and ABS, as well as on most powdercoatings.

Details:

Use:

Brady B-7520 is used for Pipemarkers

Special Properties:

Linerless pipemarkers, no linerwaste

Substrate Type:

White polyester + clear polyester

Standard Material Colors:

Yellow, Green, Blue, Red, Violet, Brown, Grey, Black and Orange

Standard Legend Colors:

Red (RAL3001 - GL), Green (RAL6032 - GL), Blue (RAL5005 - GL), Yellow (RAL1003 - GL) and Black

Thickness (PSTC-33):

Total: 0.120 mm (0.005 in)

Adhesive Properties:

Adhesion to Steel (PSTC-1)
24 h dwell -- 46N/100mm (42.20oz/inch)
Adhesion to Polypropylene
24 h dwell -- 43N/100mm (39 oz/inch)
Adhesion to textured ABS
24 h dwell -- 28N/100mm (26 oz/inch)

Tack (ASTM D 2979) (Avg.)-- 234 g (2.3 N)
Drop Shear (PSTC-7) (Avg.)-- 2 Hr.

Abrasion Resistance (Method 5306 of U.S. Federal Test Method Std. No. 191A):

CS-10 wheels, 500 g wts.
250 cycles -- No visible effect

Minimum Application Temperature:

5° C

Service temperature:

-40° C to 140° C (-40° F to 220° F)

Average Outdoor Durability:

5 years (Average expected outdoor life will depend on user definition of failure, climatic conditions, mounting techniques and material color)

Chemical Resistance:

Finished products are laminated to aluminum panels and allowed to dwell for 24 hours prior to testing. Test conducted at room temperature. Testing consisting of five cycles of 10 min immersion in the specified test fluid, followed by 30 min recovery periods. After final immersion, samples are rubbed 10 times with a cotton swab saturated with the specified test fluid.

Chemical Reagent	SUBJECTIVE OBSERVATION OF VISUAL CHANGE	
	LABEL STOCK SUBSTRATE/ADHESIVE	PRINTING AFTER IMMERSION AND COTTON SWAB RUBS
Alcohol mix	NVE	NVE
Ethanol	NVE	NVE
Toluene	Severe edge lifting	NVE
Acetone	NVE	NVE
IPA	NVE	NVE
Methyl Ethyl Ketone	NVE	NVE
1,1,1-Trichloroethane	NVE	NVE
Gasoline	Slight edge lifting	NVE
Diesel	NVE	NVE
5% NaOH	NVE	NVE
5% Salt Water	NVE	NVE
ASTM 3 Oil	NVE	NVE
10% H ₂ SO ₄	NVE	NVE
Skydrol® R 500 B 4	NVE	NVE
Water	NVE	NVE

* Alcohol mixture is a mixture of 50% ethanol, 30% methanol and 20% distilled water.

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:

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.

