Technical Data Sheet

Effective date: 12/10/2018

BRADY B-7548 PREPRINTED POLYESTER OVERLAMINATED WITH A CLEAR POLYESTER

Description:

GENERAL

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

SPECIAL FEATURES

B-7548 is used as pipemarkers on small diameter pipes.

Standard ink colors are black, red (RAL 3001-GL), yellow (RAL 1003-GL), blue (RAL5005-GL) and green (RAL 6032-GL).

REGULATORY/AGENCY 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
In Europe: www.bradyeurope.com/rohs
In Japan: www.brady.co.jp/products/labelsuse/rohs
All other regions: www.bradyid.com/weee-rohs

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)
Drop Shear	PSTC-7	1000 hours

Tack	ASTM D 2979 Polyken™ Probe Tack 1 second dwell	1347 g (47 oz)
Printed samples were laminated to aluminium 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)	No visible effect at 90°C, slight discoloration at 120°C but label remains functional
Low service temperature	30 days at -40°C (-40°F)	No visible effect
Humidity resistance	30 days in humidity chamber at 38°C (100°F) and 95% R.H.	No visible effect
UV resistance	30 days in UV light chamber, Q-Sun Xenon	No visible effect
Weatherability	30 days QUV (ASTM G-53)	No visible effect

PERFORMANCE PROPERTY	CHEMICAL RESISTANCE
Samples are laminated to aluminium panels and allowed to dwell 24 hours prior to testing. Tests 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	
	EFFECT TO LABEL STOCK EFFECT TO PRINT	EFFECT TO PRINT WITH RUB
Isopropylalcohol	nve	nve
Aceton	Slight edge lift	nve
Methyl Ethyl Ketone	Slight adhesive ooze	nve
n-Hexane	Slight adhesive ooze	nve
Toluene	Slight/Moderate bleeding	nve
Diesel	nve	nve
Gasfuel	Moderate bleeding	Slight print removal
Iso-Octane	nve	nve
Alcohol Mixture*	nve	nve
Skydrol® 500B-4	Slight edge lift	nve
SAE 15W20 Oil	nve	nve
Sulfuric acid (10%)	nve	nve
Sodium Chloride (10%)	nve	nve
Water	nve	nve

*Alcohol mixture is a mixture of 50% methyl alcohol, 30% ethyl alcohol and 20% water

Nve = No visible effect

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:
PolykenTM 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.