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Technical Data Sheet

BRADY B-7569 VINYL FILM WITH PERMANENT ADHESIVE

TDS No. B-7569

Effective Date: 10/20/2011

Description:

B-7569 is a thermal transfer printable flexible vinyl film coated with a permanent pressure sensitive acrylic adhesive. B-7569 is designed to be used with the MINIMARK™, Globalmark®, Powermark® and BBP® 31 printers (per regional availability) as well as for pre-printed labeling and floor marking.

Details:

Use:
Brady B-7569 is used for Pipe Markers, Arrow Tape, Warehouse Marking, Floor Marking, Warning Panels, Safety Signs and Hazardous Substance Identification.

Special Properties:

Permanent acrylic adhesive

Substrate Type:

Vinyl film

Standard Material Colors:

White, red, yellow, green, blue, orange, black.

Recommended ribbons**MINIMARK™:**

Standard performance black and white (R-7968), red, green and blue (R-7969)

High performance black (R-6000), white, red, green and blue (R-4400)

Globalmark®, Powermark®:

Standard Ribbons

BBP® 31:

R-10000

Thickness (PSTC-33):

Total: 0.105 mm (0.004 in.)

Adhesive properties:

Adhesion to Stainless Steel (PSTC-1)
Ultimate dwell (72 hrs.) (Avg.) – 130 N/100mm (120 oz/in)

Adhesion to Powder Coated Metal (PSTC-101)
Ultimate Dwell (72 Hrs.) – 50 N/100mm (45 oz/in)

Adhesion to Polypropylene (PSTC-101)
Ultimate Dwell (72 Hrs.) (Avg.) – 60 N/100mm (55 oz/in)

Adhesion to Textured ABS (PSTC-101)
Ultimate Dwell (72 Hrs.) (Avg.) – 25 N/100mm (25 oz/in)

Tack (ASTM D2979) (Avg.) -- 700 g (7 N)

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

CS-10 wheels, 250 g wts.

After 100 cycles the legend printed with R-7968 has a moderate fading.

Print legible up to 300 cycles with R-10000 ribbon.

Print legible up to 500 cycles with R-4400 ribbon.

Print legible up to 1000 cycles with R-6000 ribbon.

Minimum Application Temperature:

10°C (50°F)

Service Temperature:

-20°C to 75°C (-4°F to 167°F)

Average Outdoor Durability:

Up to 3 years (Average expected outdoor life of product will depend on user definition of failure, climatic conditions, mounting techniques and material color.)

Chemical Resistance

Samples were printed with the standard performance ribbons R-7968/R-7969 and the high performance ribbons R-6000/R-4400 using the MINIMARK™ thermal transfer printer. Additional samples were printed with the R-10000 ribbon using the BBP® 31 thermal transfer printer. Printed samples were laminated to aluminium and allowed to dwell 24 hours prior to testing. Testing 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 the samples were rubbed 10 times with a cotton swab saturated with test fluid.

Reagent	R-10000 Ribbons		Standard Performance Ribbons		High Performance Ribbons	
	Dip Test	Rub Test	Dip Test	Rub Test	Dip Test	Rub Test
Acids						
30% Sulfuric Acid	NE	NE	NE	NE	NE	NE
10% Sulfuric Acid	NE	NE	NE	NE	NE	NE
30% Hydrochloric Acid	NE	NE	NE	NE	NE	NE
10% Hydrochloric Acid	NE	NE	NE	NE	NE	NE
Glacial Acetic Acid	F	F	F	F	F	F
5% Acetic Acid	NE	NE	NE	NE	NE	NE
Bases						
50% NaOH	NE	NE	NE	F	NE	NE
10% NaOH	NE	NE	NE	NE	NE	NE
10% Ammonia	NE	NE	NE	NE	NE	NE
5% Sodium Hypochlorite	NE	NE	NE	NE	NE	NE
10% Sodium Chloride	NE	NE	NE	NE	NE	NE

Cleaners and Solvents						
MEK	F	F	F	F	F	F
Acetone	F	F	F	F	F	F
Toluene	F	F	F	F	F	F
Methanol	NE	F	NE	F	NE	NE
Isopropyl Alcohol	NE	NE	NE	F	NE	NE
Heptane	NE	NE	NE	NE	NE	NE
Mineral Spirits	F	F	NE	NE	NE	NE
Turpentine	F	F	NE	F	NE	F
Alconox®	NE	NE	NE	NE	NE	NE
DI Water	NE	NE	NE	NE	NE	NE
Ethanol	Not Tested	Not Tested	NE	NE	NE	NE
Formula 409®	Not Tested	Not Tested	NE	NE	NE	NE
Bioact® EC-7R™	Not Tested	Not Tested	F	F	F	F
Northwoods™ Buzz Saw	Not Tested	Not Tested	NE	F	NE	NE
Fuels, Oils & lubricants						
Diesel Fuel	NE	NE	NE	NE	NE	NE
Gasoline	F	F	F	F	F	F
ASTM #3 Oil	NE	NE	NE	NE	NE	NE
SAE 20 Oil	NE	NE	NE	NE	NE	NE

NE: No Effect
F: Failed (affected sample)

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:

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 PSTC: Pressure Sensitive Tape Council (U.S.A.)
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 SAE: Society of Automotive Engineers (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.

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Brady Europe | Industriepark C3 Lindestraat 20 | B9240 Zele | Belgium | Tel: +32 52.45.7811 | Fax: +32 52.45.7812

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