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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:
Brady 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, BBP® 33, BBP® 35, BBP® 37 printers (per regional availability) as well as for pre-printed labeling and floor marking.

Details:

Use:
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 and 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 D 2979) (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

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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 aluminum 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)

Shelf Life and Fitness for Use: Product testing, customer feedback, and history of similar products, support a customer performance expectation of one year 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. 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)
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BBP® 31 is a registered trademark of Brady Worldwide, Inc.
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Formula 409® is a registered trademark of the Chlorox Company
Globalmark® is a registered trademark of Brady Worldwide, Inc.
MINIMARK™ is trademark of Brady Worldwide, Inc.
Northwoods™ is a trademark of the Superior Chemical Corporation
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.
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