

BRADY B-674 POLYESTER OVERLAMINATE

TDS No. B-674
Effective Date: 07/01/2011

Description:

Brady B-674 is a clear 1.0 mil polyester film with an acrylic pressure sensitive adhesive.

Details:



Use:

Brady B-674 is used as a clear overlaminate.

Adhesive Type:

Pressure sensitive acrylic

Substrate Type:

Polyester film

Standard Material Color:

Clear

Thickness (PSTC-33):

0.0019 in. (0.048 mm)

Tensile Strength (PSTC-31):

21 lb/in. (368 n/100 mm)

Elongation (PSTC-31):

86%

Adhesive Properties:

Adhesion to Steel (PSTC-1)

15 Minute Dwell (Avg.) -- 25 oz/in (27 n/100 mm)

Ultimate Dwell (72 Hrs.) (Avg.) -- 34 oz/in (37 n/100 mm)

Tack (ASTM D 2979) (Avg.) -- 900 g

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

CS-17 wheels, 1000 g weights

Substrate withstood up to 1000 cycles

Gloss (60°):

100+ Gardner Units

Minimum Application Temperature:

50°F (10°C)

Service Temperature:

-40°F to 194°F (-40°C to 90°C)

Average Outdoor Durability:

Up to 2 years (Average expected outdoor life of product will depend on user definition of failure and climatic conditions.)

Chemical Resistance:

REAGENT	7 DAY IMMERSION	DIP TEST	RUB TEST
30% Sulfuric Acid	NE	NE	NE
10% Sulfuric Acid	NE	NE	NE
30% HCl	F	NE	NE
10% HCl	NE	NE	NE
50% NaOH	NE	NE	NE
10% NaOH	NE	NE	NE
Methyl Ethyl Ketone	F	F	NE
Acetone	F	F	NE
1,1,1-Trichloroethane	F	F	NE
Methanol	F	NE	NE
IPA (Isopropanol)	F	NE	NE
ASTM #3 Oil	NE	NE	NE
SAE 20 Oil	NE	NE	NE
Alconox®	F	NE	NE
Toluene	F	NE	NE
Mineral Spirits	NE	NE	NE
Glacial Acetic Acid	F	F	NE
5% Acetic Acid	NE	NE	NE
Dies el Fuel	F	NE	NE
Heptane	F	NE	NE
Cellosolve Acetate	F	F	NE
Conc. Ammonia	NE	NE	NE
10% Ammonia	NE	NE	NE
Turpentine	F	F	NE
Kerosene	NE	NE	NE
Water	NE	NE	NE
Gasoline	F	F	NE

NE = No Effect

NT = Not Tested

F = Failed (affected Sample)

7 Day Immersion: Immersed in reagent for 7 days.

Dip Test: Five 10 minute dips in reagent with 30 minute recovery.

Rub Test: Rubbed sample for 1 minute with swab soaked in reagent.

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:

Alconox® is a registered trademark of Alconox Co.

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ASTM: American Society for Testing and Materials (U.S.A.)

PSTC: Pressure Sensitive Tape Council (U.S.A.)

SAE: Society of Automotive Engineers (U.S.A.)

All S.I. Units (metric) are mathematically derived from the U.S. Conventional

Units.

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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