

Technical Data Sheet

BRADY B530 TAMPER RESISTANT

TDS No. B530 Effective Date: 11/15/2010

Description: Brady B530 is a tamper resistant film, which destructs upon removal, breaking into small pieces.

Details:

Use: B530 is used in asset identification, and applications where a deterrent to label removal is desired.

Special Properties: Destructable

Adhesive Type: Pressure sensitive acrylic

Substrate Type: Destructable vinyl film

Standard Material Color: White

Standard Legend Colors: Black, white, red, blue, green, and magenta

Thickness (PSTC33): Total: 0.0025 in. (0.06mm)

Adhesive Properties: Adhesion to Steel (PSTC1) 15 Minute Dwell (Avg.) destroyed Ultimate Dwell (72 Hrs.) (Avg.) destroyed Tack (ASTM D 2979) (Avg.) 800g (13.7 N)

Abrasion Resistance (Method 5306 of U.S. Federal Test Method Std. No. 191A): CS10 wheels, 250 g wts. The printed legend withstands up to 200 cycles.

Gloss (60°): 70 Gardner Units

Minimum Application Temperature: 50oF (10oC)

Service Temperature: 40°F to 194°F (40°C to 90°C)

Average Outdoor Durability: 35 (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 F F NE 10% NaOH NE NE NE Methyl Ethyl Ketone F F F Acetone F F F 1,1,1Trichloroethane F F F Methanol F NE NE IPA (Isopropanol) F NE NE ASTM #3 Oil NE NE NE SAE 20 Oil NE NE NE Alconox® NE NE NE Toluene F F F Mineral Spirits F NE NE Glacial Acetic Acid F NE F 5% Acetic Acid NE NE NE Diesel Fuel F NE NE Heptane F NE NE Cellosolve Acetate F F F Conc. Ammonia NE NE NE 10% Ammonia NE NE NE Turpentine F NE F Kerosene F NE NE Water NE NE NE Gasoline F NE F

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. Signmark® is a registered trademark of Brady Worldwide, Inc. 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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