

SUSTAINABLE PRESSURE SENSITIVE SIGNS

TDS No. B-558

Effective Date: 06/13/2013

Description:

Brady B-558 Eco-Friendly Pressure Sensitive Signs are made of 20% Pre-Consumer Waste

Details:

Use:

Brady B-558 Eco-Friendly signs are designed for applications where sustainability is a requirement

Special Properties:

Permanent pressure sensitive acrylic adhesive can be applied at cold temperatures

Substrate Type

20% Pre-consumer Waste

Standard Material Colors:

White and Yellow

Standard Legend Colors:

Black, white, red, green, blue, and magenta

Thickness (PSTC-133):

Total: 0.004 in (0.102mm)

Adhesive Properties:

Adhesion to Steel (PSTC-101)

15 minute Dwell (Avg.) -- 50 oz/in.

Ultimate Dwell (72 Hrs.) (Avg.) Destroys

Tack (ASTM D 2979) (Avg.) -- 600 g

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

CS-10 wheels, 250 g wts.

The printed legend withstands up to 200 cycles

Gloss (ASTM D 523):

60° 0 85 Gardner Units minimum

Minimum Application Temperature:

0°F (-18°C)

Service Temperature:

-40°F to 230°F (-40°C to 110°C)

Average Outdoor Durability:

Not recommended for outdoor use.

Chemical Resistance:

REAGENT	7 DAY IMMERSION	DIP TEST	RUB TEST
30% Sulfuric Acid	NE	NE	NE
10% Sulfuric Acid	NE	NE	NE
30% Hydrochloric Acid	F	F	F
10% Hydrochloric Acid	NE	NE	F
Glacial Acetic Acid	F	F	F
5% Acetic Acid	F	F	NE
50% Sodium Hydroxide	NE	NE	NE
10% Sodium Hydroxide	NE	NE	NE
10% Ammonia	NE	NE	NE

5% Sodium Hypochlorite	NE	NE	NE
Methyl Ethyl Ketone	F	F	F
Acetone	F	F	F
Toluene	F	F	F
Methanol	NE	NE	F
Isopropyl Alcohol	F	F	F
Heptane	NE	NE	F
Mineral Spirits	NE	NE	F
Turpentine	F	NE	F
Kerosene	NE	NE	F
Diesel Fuel	NE	NE	F
Gasoline	NE	NE	F
ASTM #3 Oil	NE	NE	NE
SAE 20 Oil	NE	NE	NE
10% Sodium Chloride	NE	NE	NE
Alconox®	NE	NE	NE
Deionized Water	NE	NE	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 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 customer to develop functional testing protocols that will qualify a product's fitness for use in their actual applications.

Trademarks:

ISI: American Iron and Steel Institute (U.S.A.)

ANSI: American National Standards Institute (U.S.A.)

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

Alconox® is a registered trademark of Alconox Co.

Fed. Spec.: United States Federal Specification (U.S.A.)

OSHA: Occupational Safety & Health Administration

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

S. I.: International System of Units

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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