

BRADY B-462 POLYURETHANE VALVE TAGS

TDS No. B-462
Effective Date: 11/06/2017

Description:

Brady B-462 Polyurethane Valve Tags are chemical and oil resistant heat stamped tags.

Details:

Use:

Brady B-462 Polyurethane Valve Tags are designed for valve and pipe identification in harsh environments indoors or outdoors.

Substrate Type:

Polyurethane

Standard Material Colors:

Black, Blue, Green, Red, Yellow

Standard Legend Colors:

Black or White

Thickness (ASTM D 1593):

Total: 0.067 in. (1.70mm)

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

CS-10 wheels, 250 g wts.

The legend withstands up to 2000 cycles

Gloss (ASTM D 523):

60° - 31 Gardner Units

Service Temperature:

-40°F to 250°F (-40°C to 121°C)

Average Outdoor Durability:

5-7 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% Hydrochloric Acid	F	NE	NE
10% Hydrochloric Acid	NE	NE	NE
Glacial Acetic Acid	NE	NE	F
5% Acetic Acid	NE	NE	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	NE	NE	F
Acetone	NE	NE	F
Toluene	NE	NE	F
1,1,1-Trichloroethane	NE	NE	F
Methanol	NE	NE	NE

Isopropyl Alcohol	NE	NE	NE
Heptane	NE	NE	NE
Mineral Spirits	NE	NE	NE
Turpentine	NE	NE	NE
Kerosene	NE	NE	NE
Diesel Fuel	NE	NE	NE
Gasoline	NE	NE	NE
ASTM #3 Oil	NE	NE	NE
SAE 20 Oil	NE	NE	NE
10% Sodium Chloride	NE	NE	NE
Alconox®	NE	NE	NE
Water	NE	NE	NE

NE = No Effect

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.

Shelf Life:

Shelf life is 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. It remains the responsibility of the user to assess the risk of using this product. We encourage customers to develop testing protocols that will qualify a product's fitness for use in their actual application.

Trademarks:

Alconox® is a registered trademark of Alconox Co.

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

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

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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