

BRADY B-817 LOW HALOGEN BRADYSNAP-ON AND STRAP-ON PIPE MARKERS

TDS No. B-817
Effective Date: 03/19/1999

Description:

Brady B-817 is a surface printed low halogen plastic pipe marker.

Details:

Use:

Brady B-817 Low Halogen BradySnap-On™ and Strap-On Pipe Markers are designed for identification of pipes made of nickel, stainless steel alloys, and austenitic steel.

Special Properties:

Brady B-817 was designed to have low levels of halogens.

Substrate Type:

Low halogen plastic

Standard Background Colors:

Red, blue, green, yellow, and orange

Standard Legend Colors:

Black and white

Thickness (ASTM D 1593):

Size A, B, F, G, and H: 0.020 in. (0.51 mm)

Size C, D, and E: 0.030 in. (0.76 mm)

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

CS-10 wheels, 250 g weights

Legend withstands up to 1000 cycles

Gloss (60°):

30 Gardner Units

Service Temperature:

Size A and B: -40°F to 140°F (-40°C to 60°C)

Size C, D, E, F, G, and H: -40°F to 170°F (-40°C to 77°C)

Average Outdoor Durability:

5 to 8 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	NE	NE	NE
10% HCl	NE	NE	NE
50% NaOH	F	NE	NE
10% NaOH	F	NE	NE
Methyl Ethyl Ketone	F	NE	F
Acetone	F	NE	F
1,1,1-Trichloroethane	F	NE	F
Methanol	F	NE	NE
IPA (Isopropanol)	NE	NE	NE
ASTM #3 Oil	NE	NE	NE
SAE 20 Oil	NE	NE	NE

Alconox®	NE	NE	NE
Toluene	F	NE	F
Mineral Spirits	NE	NE	NE
Glacial Acetic Acid	F	NE	F
5% Acetic Acid	NE	NE	NE
Diesel Fuel	NE	NE	NE
Heptane	NE	NE	NE
Cellosolve Acetate	F	NE	F
Conc. Ammonia	NE	NE	NE
10% Ammonia	NE	NE	NE
Turpentine	NE	NE	NE
Kerosene	NE	NE	NE
Water	NE	NE	NE
Gasoline	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 in reagent with 30 minute recovery.

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

Shelf Life:

Unlimited when stored at 70°F (21°C) and 40% to 50% R.H.

Trademarks:

Alconox® is a registered trademark of Alconox Co.

BradySnap-On™ is a trademark of Brady Worldwide, Inc.

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

ASTM: American Society for Testing and Materials (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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