

BRADY B-379 BRADYGLO (TM) PLUS PLASTIC SIGNS

TDS No. B-379
Effective Date: 06/29/2011

Description:

Brady B-379 BradyGlo (TM) Plus material is a glow-in-the-dark (photoluminescent) plastic sign.

Details:

Brady B-379 is used for exit and directional signs, identification of fire alarms and extinguishers, egress pathway markings, passenger rail transit and directional systems for escape or evacuation routes. In accordance with ASTM 3020-99: Recommended Uses of Photoluminescent Safety Markings.

Relevant Standards:

Meets or exceeds the following standards:

APTA SS-PS-004-99
APTA SS-PS-002-98 Rev. 1
APTA E-2070-00 / ASTM E-2073-00
ASTM E-162
ASTM E-648
ASTM E-662
DIN 67 510 (Parts 1 - 4)
IMO Resolution A.752(18)
ISO/CD 15370
JIS Z 9100
Marine Safety Committee MSC.27(61)
PSPA Standard 002 Part 2.
SMP 800C

Inherent Properties:

Brady B-379 is a non-toxic, non-radioactive, explosion safe (does not generate energy to induce explosions) material allowing for sanitary disposal.

Illuminescent Characteristics:

Charge time of 5 minutes @ 1000 Lux. Consistent glow life and unlimited rechargability throughout service life.

Substrate Type:

Phosphorescent Polyester Film

Standard Legend Colors:

Black, green, red, and blue

Thickness (PSTC-33):

Total: 0.073 in. (1.85mm)

Abrasion Resistance:

CS-10 Wheels, 250g wts.
Legend withstands up to 120 cycles
CS-17 Wheels, 1000g wts.
Substrate withstands up to 4000 cycles

Gloss (60° Gardner):

120

Service Temperature:

-40°F to 140°F (-40°C to 60°C)

Outdoor Applications:

Not recommended for outdoor applications.

Chemical Resistance:

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REAGENT	7 DAY IMMERSION	DIP TEST	RUB TEST
30% Sulfuric Acid	NE	NE	NE
10% Sulfuric Acid	NE	NE	NE
30% Hydrochloric Acid	NE	NE	NE
10% Hydrochloric Acid	NE	NE	NE
50% NaOH	F	NE	NE
10% NaOH	F	NE	NE
Glacial Acetic Acid	F	F	F
5% Acetic Acid	NE	NE	NE
10% Ammonia	NE	NE	NE
5% Sodium Hypochlorite	NE	NE	NE
10% Sodium Chloride	NE	NE	NE
MEK	F	F	F
Acetone	F	F	F
Toluene	F	F	F
Methanol	F	F	F
Isopropyl Alcohol	F	F	F
Heptane	F	NE	NE
Mineral Spirits	F	NE	NE
Turpentine	F	F	NE
Diesel Fuel	F	NE	NE
Kerosene	F	NE	NE
Gasoline	F	NE	F
ASTM #3 Oil	NE	NE	NE
SAE 20 Oil	NE	NE	NE
Alconox®	NE	NE	NE
DI Water	NE	NE	NE

F = Fail
NE = No Effect

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.)
Fed. Spec.: United States Federal Specification (U.S.A.)
BradyGlo™ is a trademark of Brady Worldwide, Inc.

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.

Product compliance information is based upon information provided by suppliers of the raw materials used by Brady to manufacture this product or based on results of testing using recognized analytical methods performed by a third party, independent laboratory. As such, Brady makes no independent representations or warranties, express or implied, and assumes no liability in connection with the use of this information.

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