

BRADY B-140 BRADYLAM SIGNS

TDS No. B-140
 Effective Date: 10/06/2010

Description:

Brady's B-140 BradyLam™ Sign is a printed polyester film that is permanently bonded to a fiberglass panel with a laminate to protect the graphics.

Details:

Use:

Brady's B-140 BradyLam™ Sign are designed for use indoors or outdoors, especially in extreme harsh environments.

Special Properties:

Brady B-140 BradyLam™ Signs are overlaminated with Cast Vinyl to protect the graphics from UV light, dirt and harsh chemicals.

Substrate Type:

Polyester with reinforced fiberglass backing overlaminated with Cast Vinyl.

Standard Material Colors:

White and Yellow

Standard Legend Colors:

Red, Blue, Green and Black are the most commonly used colors. Other colors are also available.

Thickness (ASTM D 1593):

0.11 in. (2.8 mm)

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

CS-10 wheels, 500 g wts.
 Withstands up to 4000 cycles

Gloss (ASTM D523°):

60° - 80 Gardner units

Service Temperature:

-40°F to 175°F (40°C to 80°C)

Average Outdoor Durability:

Up 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 |
|------------------------|-----------------|----------|
| 30% Sulfuric Acid | NE | NE |
| 10% Sulfuric Acid | NE | NE |
| 30% Hydrochloric Acid | NE | NE |
| 10% Hydrochloric Acid | NE | NE |
| Glacial Acetic Acid | F | F |
| 5% Acetic Acid | NE | NE |
| 50% Sodium Hydroxide | NE | NE |
| 10% Sodium Hydroxide | NE | NE |
| 10% Ammonia | NE | NE |
| 5% Sodium Hypochlorite | NE | NE |
| 10% Sodium Chloride | NE | NE |
| Methyl Ethyl Ketone | F | F |
| Acetone | F | F |
| Toluene | F | F |
| Methanol | F | NE |
| Isopropanol | F | NE |

| | | |
|-----------------|----|----|
| Heptane | NE | NE |
| Mineral Spirits | NE | NE |
| Turpentine | F | NE |
| Diesel Fuel | F | NE |
| Kerosene | F | NE |
| Gasoline | F | F |
| ASTM #3 Oil | NE | NE |
| SAE 20 Oil | NE | NE |
| Alconox® | NE | NE |
| Water | 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.

Shelf Life:

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

Trademarks:

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BradyLam™ is a trademark of Brady Worldwide, Inc.

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

Tedlar® is a registered trademark of Du Pont de Nemours, E.I. and Company

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

PSTC: Pressure Sensitive Tape Council (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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