

Brady B-543 Floor Marking Tape

TDS No. B-543
Effective Date: 08/17/2018

Description:

Brady B-543 is an extruded polyvinyl chloride tape used for industrial floor marking.

Details:



Use:

Brady B-543 is used to mark aisles, passageways, storage locations, point out safety equipment and exits, and enforce protective equipment requirements. It is designed for high-traffic environments where durability is highly valued.

Adhesive Type:

Acrylic

Substrate Type:

Polyvinyl chloride

Standard Material Colors:

Solid: White, Red, Green, Blue, Yellow, Orange
Striped Print: Yellow/Black

Thickness:

0.050 in. (1.27 mm)

Adhesive Properties:

Adhesion to Stainless Steel (PSTC-101)

15 Minute Dwell (Avg.) – 150 oz/in (16.3 N/10 mm)
Tack (ASTM D2979-16) (Avg.) = greater than 1500 g

Abrasion Resistance (ASTM D4060-14):

Solid: S-35 Tungsten Carbide Wheels, 1000g wts.
Material withstands up to 3500 cycles at nominal thickness



Striped print: CS-10 Wheels, 500g wts.
Black stripe withstands up to 1200 cycles at nominal thickness



Gloss (60°):

40 - 70 units

Minimum Application Temperature:

50°F (10°C)

Service Temperature:

0°F to 140°F (-18°C to 60°C)

Average Outdoor Durability:

Not recommended for outdoor use.

Chemical Resistance:

Reagent	7 day Immersion Impact to Print	7 day Immersion Impact to Adhesive	7 day Immersion Impact to Film
25% Sulfuric Acid	NE	NE	NE
10% Sulfuric Acid	NE	NE	NE
30% Hydrochloric Acid	NE	NE	NE
10% Hydrochloric Acid	NE	NE	NE
Glacial Acetic Acid	NE	F	F
10% 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
10% Sodium Chloride	NE	NE	NE
Methyl Ethyl Ketone	F	F	F
Acetone	F	F	F
Toluene	NE	F	F
Methanol	NE	NE	F
Isopropyl Alcohol	NE	NE	F
Heptane	NE	F	F
Mineral Spirits	NE	NE	F
Turpentine	NE	F	F
Diesel Fuel	NE	NE	F
Kerosene	NE	NE	F
Gasoline	NE	F	F
ASTM # 3 Oil	NE	NE	NE
SAE 20 Oil	NE	NE	NE
Alconox® Detergent	NE	F	NE
Deionized Water	NE	NE	NE

NE = No Effect

F = Failed (affected Sample)

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:

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

Alconox® is a registered trademark of Alconox Co.

All S.I. Units (metric) are mathematically derived from the U.S. Conventional Units

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

SAE: Society of Automotive Engineers

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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Brady North America | 6555 W. Good Hope Rd | Milwaukee, WI 53223 | USA | Tel: 414-358-6600 | Fax: 800-292-2289