

Brady B-553 Floor Marking Tape

TDS No. B-553
Effective Date: 02/28/2024

Description:

Brady B-553 is an extruded polyester (PETG) tape used for industrial floor marking.

Details:



Use:

Brady B-553 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:

Rubber

Substrate Type:

Polyester (PETG)

Standard Material Colors:

Solid: Black, White, Red, Green, Blue, Yellow, Orange, Purple, Brown, Gray

Striped: Orange/Black, Yellow/Black, White/Black, Red/White, Red/Yellow, Green/White, Blue/White, Blue/Yellow, Magenta/Yellow

Thickness:

0.022 in. (0.56 mm)

Adhesive Properties:

Adhesion to Stainless Steel (PSTC-101)

15 Minute Dwell (Avg.) – 160 oz/in (17.5 N/10 mm)

Abrasion Resistance (ASTM D4060-14):

Solid: H-22 Harsh Calibrade Wheels, 1000g wts.
Material withstands in excess of 2000 cycles at nominal thickness

Gloss (60°):

20 - 30 units

Minimum Application Temperature:

50°F (10°C)

Service Temperature:

50°F to 140°F (10°C to 60°C)

Average Outdoor Durability:

Not recommended for outdoor use.

Chemical Resistance:

Reagent	7 day Immersion Impact to Product
25% Sulfuric Acid	No Visible Effect
10% Sulfuric Acid	No Visible Effect
30% Hydrochloric Acid	No Visible Effect
10% Hydrochloric Acid	No Visible Effect
Glacial Acetic Acid	Complete Failure
10% Acetic Acid	No Visible Effect
50% Sodium Hydroxide	Complete Failure
10% Sodium Hydroxide	Complete Failure
10% Ammonia	Some Visible Effect
5% Sodium Hypochlorite	No Visible Effect
10% Sodium Chloride	No Visible Effect
Methyl Ethyl Ketone	Complete Failure
Acetone	Complete Failure
Toluene	Complete Failure
Methanol	Significant Visible Effect
Isopropyl Alcohol	Significant Visible Effect
Heptane	Complete Failure
Mineral Spirits	Some Visible Effect
Turpentine	Some Visible Effect
Diesel Fuel	Some Visible Effect
Kerosene	Significant Visible Effect
TruFuel®	Complete Failure
ASTM # 3 Oil	No Visible Effect
SAE 20 Oil	No Visible Effect
Alconox® Detergent	No Visible Effect
Deionized Water	No Visible Effect

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

TruFuel® is specifically 4-cycle engineered fuel

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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