

BRADY B-752 CONSPICUITY REFLECTIVE TAPE

TDS No. B-752
 Effective Date: 09/17/1998

Description:

Brady B-752 is a diamond grade reflective sheeting backed with a pressure sensitive adhesive.

Details:

Use:

Brady B-752 is used for truck and trailer conspicuity marking.

Adhesive Type:

Permanent pressure sensitive

Substrate Type:

Retroreflective prismatic sheeting

Standard Material Colors:

Red, white and 7 in. white / 11 in. red (alternating pattern)

Thickness (PSTC-33):

Total: 0.020 - 0.024 in. (0.50 - 0.61mm)

Adhesive Properties:

Adhesion to Steel (PSTC-1)
 15 Minute Dwell (Avg.) -- 58 oz/in. (63 N/100m)
 Ultimate Dwell (72 Hrs.) (Avg.) -- 70 oz/in. (76 N/100m)
 Tack (ASTM D 2979) (Avg.) -- 800 - 850 g (7.7 - 8.2 N)
 Drop Shear (PSTC-7) (Avg.) -- 60 Hrs.

Gloss:

100 Gardner Units

Reflectivity:

Meets NHTSA's rule under 49 CFR, Part 571 for enhanced visibility and detection.
 Meets or exceeds all FMVSS 108 Requirements.
 Acceptable reflectivity means that the coefficients of reflectivity for the white and red sections at 0.2° observation angle and -4° entrance angle will exceed the values of 250 and 45 candlepower/foot candle/square foot, respectively, when sections cleaned with soap and water.

Minimum Application Temperature:

40°F (4.4°C)

Service Temperature:

-40°F to 200°F (-40°C to 93°C)

Average Outdoor Durability:

7 years (Average expected outdoor life of product will depend on user definition of failure, climatic conditions and mounting techniques.)

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 | NE | NE | NE |
| 10% NaOH | NE | NE | NE |
| Methyl Ethyl Ketone | F | F | NE |

| | | | |
|-----------------------|----|----|----|
| Acetone | F | F | NE |
| 1,1,1-Trichloroethane | F | NE | NE |
| Methanol | F | F | NE |
| IPA (Isopropanol) | NE | NE | NE |
| ASTM #3 Oil | NE | NE | NE |
| SAE 20 Oil | NE | NE | NE |
| Alconox® | NE | NE | NE |
| Toluene | F | F | NE |
| Mineral Spirits | NE | NE | NE |
| Diesel Fuel | NE | NE | NE |
| Heptane | NE | NE | NE |
| Kerosene | NE | NE | NE |
| Water | NE | NE | NE |
| Gasoline | NE | NE | NE |
| 10% NaCl | NE | NE | NE |
| Bleach | 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:

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

Trademarks:

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

FMVSS: Federal Motor Vehicle Safety Standard

NHTSA: National Highway Traffic Safety Administration

PSTC: Pressure Sensitive Tape Council (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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