



B-725 - Technical Data Sheet

BRADY B-725: COLORED VINYL LABEL STOCK

TDS erhalten von:

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TDS No. B-725

Effective Date: 30-Jan-2007

Description:

GENERAL

Material Type: Vinyl

Finish: Semi-Gloss

Adhesive: Pressure Sensitive Acrylic Adhesive

Standard Material Colors: Black, Blue, Brown, Dark Green, Light Green, Orange, Red, White, Yellow

APPLICATIONS

B-725 is used primarily for Quick-Dots™ Markers in color coding applications.

REGULATORY/AGENCY APPROVALS

Brady B-725 is RoHS compliant to 2005/618/EC MCV amendment to RoHS Directive 2002/95/EC.

Details:

| PHYSICAL PROPERTIES | TEST METHODS | AVERAGE RESULTS |
|----------------------------------|----------------------------------------------------------|--------------------------------------------------|
| Thickness | ASTM D 1000 -Total | 0.0055 inch (0.1397 mm) |
| Adhesion to: -Stainless Steel | ASTM D 1000 20 minute dwell 24 hour dwell | 38 oz/in (42 N/100 mm) 38 oz/in (42 N/100 mm) |
| Tack | ASTM D 2979 Polyken™ Probe Tack 1 second dwell | 30 oz (837 g) |

Performance properties tested on B-725 labels laminated to aluminum panels.

| PERFORMANCE PROPERTIES | TEST METHODS | TYPICAL RESULTS |
|--------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| High Service Temperature | 30 days at various temperatures | No visible effect to label at 60°C. Slight discoloration at 70°C. Moderate discoloration at 80°C, but label still functional. |
| Low Service Temperature | 30 days at -70°C (-94°F) | No visible effect |
| Humidity Resistance | 30 days at 100°F (37°C), 95% R.H. | No visible effect |
| UV Light Resistance | 30 days in | Label fades slightly |
| Weatherability | ASTM G155, Cycle 1 30 days in Xenon Arc Weatherometer | Label fades slightly |
| Salt Fog Resistance | 30 days in 5% salt fog | No visible effect |

| PERFORMANCE PROPERTY | CHEMICAL RESISTANCE |
|----------------------|---------------------|
|----------------------|---------------------|

Test was conducted at room temperature after 24 hour dwell. Testing consisted of 5 cycles of 10 minute immersions in the specified chemical reagent followed by 30 minute recovery periods. After final immersion, samples rubbed 10 times with cotton swab saturated with test fluid.

| CHEMICAL REAGENT | EFFECT TO LABEL WITHOUT RUB | EFFECT TO LABEL WITH RUB |
|---------------------------------------|-----------------------------|--------------------------|
| Formula 409® Cleaner | No visible effect | No visible effect |
| Isopropyl Alcohol | No visible effect | No visible effect |
| Deionized Water | No visible effect | No visible effect |
| BIOACT® EC-7R™ Terpene Cleaner | Severe edge lift | Severe edge lift |
| SAE 20 WT Oil | Slight edge lift | Slight edge lift |
| Gasoline | Moderate edge lift | Moderate edge lift |
| Northwoods™ Buzz Saw Citrus Degreaser | No visible effect | No visible effect |
| Mineral Spirits | Slight edge lift | Slight edge lift |

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 degrees 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:

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

BIOACT® is a registered trademark of Petroferm, Inc.

EC-7R™ is a trademark of Petroferm, Inc.

Formula 409® is a registered trademark of the Chlorox Company

Northwoods™ is a trademark of the Superior Chemical Corporation.

Polyken™ is a trademark of Testing Machines Inc.

QUICK-DOTS™ is a trademark of Brady Worldwide, Inc.

SAE: Society of Automotive Engineers (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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Sollten Sie noch Fragen haben,
kontaktieren Sie uns bitte.

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Wir helfen Ihnen gerne weiter.