

BRADY B-725 COLORED VINYL LABEL STOCK

TDS No. B-725
Effective Date: January 17, 2018

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

Shelf life is one year 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.)

BIOACT® is a registered trademark of Petroferm, Inc.

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

Formula 409® is a registered trademark of the Clorox Company

Northwoods™ is a trademark of the Superior Chemical Corporation.

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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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