

B-694 WHITE POLYESTER LABEL STOCK WITH PERMANENT, CLEANLY REMOVABLE ACRYLIC ADHESIVE MOUNTED ON A NON-SILICONE POLYESTER RELEASE LINER

TDS No. B-694
Effective Date: 06/24/2011

Description:

CONSTRUCTION

Substrate: 2 mil white polyester film
Adhesive Layer: 1 mil (BA165) removable acrylic pressure sensitive adhesive
Release Liner: 2 mil non-silicone polyester release liner

GENERAL

Print Technology: Thermal transfer
Material Type: White polyester
Finish: Satin
Adhesive: Permanent, cleanly removable acrylic pressure sensitive

APPLICATIONS

B-694 is designed as a chemically clean, cleanly removable, THT printable label for the Hard Disc Drive market. Other uses include rating plate applications that utilize high quality/density alphanumeric, barcodes and graphics.

RECOMMENDED RIBBONS

Brady Series R6200 black thermal transfer ribbon.

SPECIAL FEATURES

B-694 is supplied with a permanent, yet cleanly removable, acrylic adhesive that exhibits a stable adhesion over time to many surfaces.

B-694 is also low out gassing, low ions, low tin and has no silicone.

REGULATORY APPROVALS

Brady B-694 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 -Substrate -Adhesive -Total	0.0020 inch (0.051 mm) 0.0010 inch (0.025 mm) 0.0030 inch (0.076 mm)
Adhesion to: (dwelled on panel for indicated time/temperature)	ASTM D 1000	
-Stainless Steel	20 minute dwell 24 hour dwell @ 70 °C	39 oz/in (10.84N/25mm) 54 oz/in (15.01N/25mm)
-Aluminum	20 minute dwell 24 hour dwell @ 70 °C	33 oz/in (9.17N/25mm) 48 oz/in (13.34N/25mm)
-ECA (Epoxy-Coated Aluminum)	20 minute dwell 24 hour dwell @ 70 °C	34 oz/in (9.45 N/25mm) 68 oz/in (18.90 N/25mm)
Tack	ASTM D 2979 Polyken™ Probe Tack 1 second dwell	955 g
Shear Adhesion Failure Temperature (SAFT)	ASTM D 4498-95 (except use 25mm X 25mm X 1Kg)	> 200°C
Typical Release	ASTM D 1000	25-75 g
Gloss (60°)	ASTM D 523	45 Gardner Units
Extractable Sn via ICP-MS	Seagate 35555-008	<25 ppb

Extractable Organics via FT- IR	Seagate 20800014-001 Rev. D	Silicone - Release side ND Adhesive side ND ND = None Detected
Extractable ions	Seagate 20800012-001	Anions (µg/cm ²) Fluoride ND Chloride <0.005 Nitrite ND Bromide ND Nitrate <0.005 Phosphate ND Sulfate 0.005 Cations (µg/cm ²) Lithium ND Sodium <0.005 Ammonium <0.005 Potassium ND Magnesium ND Calcium ND ND = None Detected
DHS GC-MS outgassing	Seagate 20800020-001 Rev. E with constant flow	57 ng/cm ²

Product testing, customer feedback, and history of similar products, support a customer performance expectation of at least **one year from the date of receipt** for this product as long as this product is stored in its original packaging in an environmental below 80 degrees F 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 quality a product's fitness for use, in their actual applications.

Trademarks:

ASTM: American Society for Testing and Materials (U.S.A.)
PSTC: Pressure Sensitive Tape Council (U.S.A.)
Polyken™ is a trademark of Testing Machines Inc.

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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