

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: 12/01/2021

Description:

GENERAL

Print Technology: Thermal transfer

Material Type: 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

REGULATORY APPROVALS

For information on the Weee-RoHS compliance status for a Brady Product go to one of the following websites:

In Canada: www.bradycanada.ca/weee-rohs

In Europe: www.bradyeurope.com/rohs

In Japan: www.brady.co.jp/products/labelsuse/rohs

All other regions: www.bradyid.com/weee-rohs

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.

Supplied on a 2 min non silicone polyester release liner.

Details:

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	ASTM D 1000 -Substrate -Adhesive -Total (excluding liner)	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 20 minute dwell 24 hour dwell @ 70 °C	39 oz/in (10.84N/25mm) 54 oz/in (15.01N/25mm)
-Stainless Steel	20 minute dwell 24 hour dwell @ 70 °C	33 oz/in (9.17N/25mm) 48 oz/in (13.34N/25mm)
-Aluminum	20 minute dwell 24 hour dwell @ 70 °C	34 oz/in (9.45 N/25mm) 68 oz/in (18.90 N/25mm)
-ECA (Epoxy-Coated Aluminum)		
Tack	ASTM D 2979 Polyken™ Probe Tack 0.5 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 ($\mu\text{g}/\text{cm}^2$) Fluoride ND Chloride <0.005 Nitrite j ND Bromide ND Nitrate <0.005 Phosphate ND Sulfate 0.005 Cations ($\mu\text{g}/\text{cm}^2$) 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

Shelf Life:

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.)

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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WARRANTY

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