Technical Data Sheet

BRADY B-424 THERMAL TRANSFER PRINTABLE WHITE PAPER LABEL STOCK

TDS No. B-424
Effective Date: 10/29/24

Description:

GENERAL

Print Technology: Thermal Transfer
Material Type: White Paper
Finish: Matte
Adhesive: Permanent Rubber

APPLICATIONS

Low cost, general purpose labeling

RECOMMENDED RIBBONS

Brady Series R4300
Brady Series R4500 colored ribbons (red, blue)

REGULATORY

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

Brady B-424 provides good contrast and smear resistance for thermal transfer and barcode printing.

Details:

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	ASTM D 1000 - Total (excluding liner)	0.0035 inch (0.0889 mm)
Adhesion to: -Stainless Steel -Textured ABS -Polypropylene -Corrugated Cardboard	ASTM D 1000 20 minute dwell	Destroys upon removal from all listed surfaces.

Performance properties tested on B-424 printed with the Brady Series R4300. Printed samples of B-424 were laminated to aluminum and allowed to dwell 24 hours before exposure to the indicated environmental conditions.

PERFORMANCE PROPERTIES	TEST METHOD	TYPICAL RESULTS
Short Term High Service Temperature	5 minutes at various Temperatures	No visible effect at 356°F (180°C)
Long Term High Service Temperature	30 days at various Temperatures	No visible effect at 122°F (50°C), at 140°F (60°C) label discolors slightly but still functional
Low Service Temperature	30 days at -40°F (-40°C)	No visible effect
Humidity Resistance	30 days at 100°F (37°C) and 95% R.H.	No visible effect
UV Light Resistance	30 days in UV Sunlighter™ 100	Label discolors slightly but still functional
Abrasion Resistance	Taber Abraser, CS10 grinding wheels, 500 g/arm (Fed. Std. 191A, Method 5306)	R4300: 25 cycles

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:
Sunlighter™ is a trademark of the Test Lab Apparatus Company
ASTM: American Society for Testing and Materials (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.

Product compliance information is based upon information provided by suppliers of the raw materials used by Brady to manufacture this product or based on results of testing using recognized analytical methods performed by a third party, independent laboratory. As such, Brady makes no independent representations or warranties, express or implied, and assumes no liability in connection with the use of this information.

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