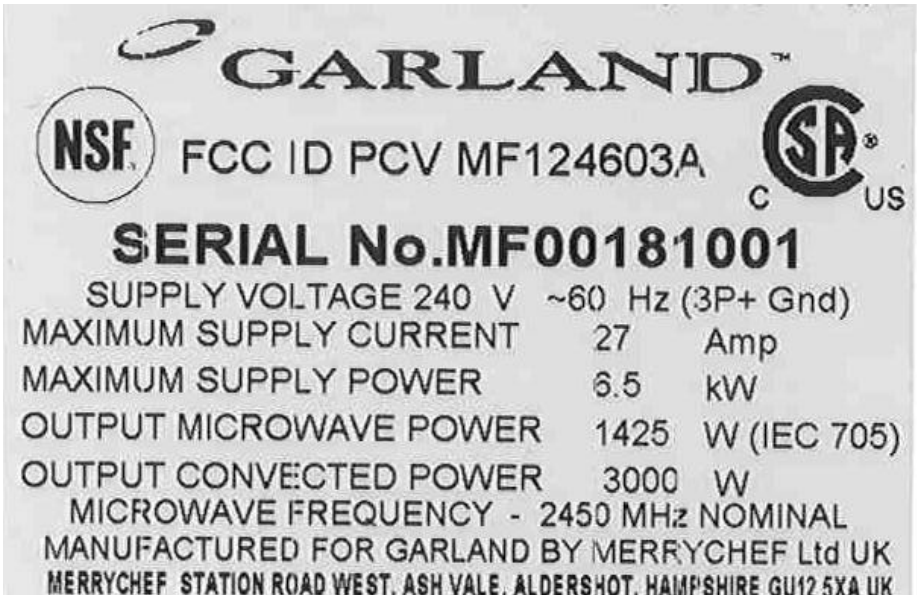
***Menuflex 240v 60Hz***
***FCC Approval***

## *Section 4*

1) FCC label artwork




FCC label – 240v 60Hz

***Menuflex 240v 60Hz***
***FCC Approval***

***Section 5***

FCC Label

Description

The FCC label will be position to the top left of the back of the Menuflex oven. The label has an adhesive back and has a curing time 24hours.

For further information, please see attached specification sheet.

**Technical Data Sheet**
**TDS No. B-434**
**Effective Date: 21/02/2000**

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# BRADY B-434 THERMAL TRANSFER PRINTABLE GLOSS METALLIZED POLYESTER LABEL STOCK

**Description:**

B-434 is a metallized polyester film with a permanent acrylic pressure sensitive adhesive and a topcoat specifically designed for thermal transfer printing.

B-434 is a high performance material designed for rating plate applications and general purpose labeling for textured surfaces.

B-434 is designed to withstand numerous solvents while maintaining excellent image quality.

Recommended ribbons are the Brady Series R6000, R4800, and R4900. B-434 is UL Recognized and CSA Accepted with R4800, R4900 and R6000 ribbons. Reference Brady UL File MH17154 and CSA File LS41833.

**Details:**

| PHYSICAL PROPERTIES | TEST METHODS | AVERAGE RESULTS |
|---|---|---|
| Thickness | ASTM D 1000<br>-Substrate<br>-Adhesive<br>-Total | <br>0.002 inch (0.051 mm)<br>0.002 inch (0.051 mm)<br>0.004 inch (0.102 mm) |
| Adhesion to:<br>-Stainless Steel | ASTM D 1000<br>20 minute dwell<br>24 hour dwell | <br>86 oz/in (94 N/100 mm)<br>97oz/in (106 N/100 mm) |
| -Textured ABS | 20 minute dwell<br>24 hour dwell | 14 oz/in (15 N/100 mm)<br>18 oz/in (20 N/100 mm) |
| -Polypropylene | 20 minute dwell<br>24 hour dwell | 67 oz/in (73 N/100 mm)<br>77 oz/in (84 N/100 mm) |
| Tack | ASTM D 2979<br>Polyken™ Probe Tack<br>1 second dwell | 47 oz (1333 g) |
| Tensile Strength and Elongation | ASTM D 1000<br>-Machine Direction | <br>42 lbs/in (736 N/100 mm), 118% |

The following testing was performed with B-434 thermal transfer printed on a BradyPrinter™ THT 300X using Brady Series R4800, R4900 and R6000 ribbons. Samples laminated to aluminum panels. All samples allowed to dwell 24 hours prior to testing. Unless noted, results are the same for all three ribbons.

| PERFORMANCE PROPERTIES | TEST METHODS | EFFECT TO TAPE | EFFECT TO PRINT |
|---|---|---|---|
| Long Term High Service Temperature | 30 days at 194°F (90°C) | No visible effect | No visible effect |
| Long Term Low Service Temperature | 30 days at -40°F (-40°C) | No visible effect | No visible effect |
| Humidity Resistance | 30 days at 100°F (37°C), 95% R.H. | No visible effect | No visible effect |
| UV Light Resistance | 30 days in UV Sunlighter™ 100 | Slight yellowing of label | No visible effect |
| Weatherability | ASTM G 26<br>30 days in Xenon Arc Weatherometer | Topcoat becomes chalky | No visible effect |
| Abrasion Resistance | Taber Abraser, CS-10 grinding wheels, 500 g/arm (Fed. Std. 191A, Method 5306) | No visible effect | Print legible up to:<br>R4800 50 cycles<br>R4900 40 cycles<br>R6000 135 cycles |

| PERFORMANCE PROPERTY | SOLVENT RESISTANCE |
|---|---|

Samples printed with Series R4800, R4900 and R6000 ribbons using a BradyPrinter™ THT Model 300X Thermal Transfer Printer. Labels printed using a 3:1 barcode ratio with a 5 mil narrow X dimension bar. 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 period. Samples rubbed 10 times with a cotton swab immersed in test fluid after final immersion.

| CHEMICAL REAGENT | SUBJECTIVE OBSERVATION OF VISUAL CHANGE | | | | |
|---|---|---|---|---|---|
| | LABEL STOCK | PRINTING IMMERSION ONLY[1] | R4800 PRINT WITH COTTON SWAB RUB | R4900 PRINT WITH COTTON SWAB RUB | R6000 PRINT WITH COTTON SWAB RUB |
| Methyl Ethyl Ketone | Slight adhesive ooze | Print Removed | Print Removed | Print Removed | Print Removed |
| 1,1,1-Trichloroethane | Slight adhesive ooze | NVE[2] | Slight Removal | Print Removed | Slight Removal |
| Toluene | Slight adhesive ooze | NVE | Print Removed | Print Removed | Print Removed |
| Isopropyl Alcohol | NVE | NVE | Slight Removal | NVE | NVE |
| Mineral Spirits | NVE | NVE | Slight Removal | NVE | NVE |
| JP-4 Jet Fuel | NVE | NVE | Slight Removal | NVE | NVE |
| ASTM Reference Fuel B | NVE | NVE | Print Removed | NVE | NVE |
| SAE 20 WT Oil | NVE | NVE | NVE | NVE | NVE |
| ASTM #3 Oil | NVE | NVE | NVE | NVE | NVE |
| Mil 5606 Oil | NVE | NVE | NVE | NVE | NVE |
| Skydrol® 500B-4 | Slight adhesive ooze | Print Removed | Print Removed | Print Removed | Print Removed |
| Super Agitene® | NVE | NVE | NVE | NVE | NVE |
| BIOACT® EC-7R™ | NVE | NVE | NVE | NVE | NVE |
| Deionized Water | NVE | NVE | NVE | NVE | NVE |
| 3% Alconox® Detergent | NVE | NVE | NVE | NVE | NVE |
| 10% Sodium Hydroxide Solution | NVE | NVE | NVE | NVE | NVE |

| | | | | | |
|---|---|---|---|---|---|
| 10% Sulfuric Acid Solution | NVE | NVE | NVE | NVE | NVE |

[1]Results same for R4800, R4900 and R6000 ribbons
[2]NVE=No Visible Effect

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 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 and References:**

Alconox® is a registered trademark of Alconox Co.
BIOACT® is a registered trademark of Petroferm, Inc.
BradyPrinter™ is a trademark of Brady Worldwide, Inc.
EC-7R™ is a trademark of Petroferm Inc.
Polyken™ is a trademark of Testing Machines Inc.
Skydrol® is a registered trademark of the Monsanto Company
Sunlighter™ is a trademark of the Test Lab Apparatus Company
Super Agitene® is a registered trademark of Graymills Corporation

ASTM: American Society for Testing and Materials (U.S.A.)
CSA: Canadian Standards Association
SAE: Society of Automotive Engineers (U.S.A.)
UL: Underwriters Laboratories Inc. (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.

**WARRANTY**

Brady products are sold with the understanding that the buyers will test them in actual use and determine for themselves their adaptability to their intended uses. Brady warrants to the buyers that its products are free from defects in material and workmanship, but limits its obligation under this warranty to replacement of the product shown to Brady's satisfaction to have been defective at the time Brady sold it. This warranty does not extend to any persons obtaining the product from the buyers. **This warranty is in lieu of any other warranty, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose, and of any other obligations or liability on Brady's part. Under no circumstances will Brady be liable for any loss, damage, expense, or consequential damages of any kind arising in connection with the use, or inability to use, Brady's products.**