

## IRREVERSIBLE TEMPERATURE LABELS FOR MID TEMPERATURES

TDS No. B-7512

Effective Date: 02/08/2019

### Description:

#### GENERAL

**Materials Type:** Subsurface printed clear polyethylene naphthalate (PEN)

**Finish:** Gloss

**Adhesive:** Permanent modified acrylic

### APPLICATIONS

Temperature indicating labels for permanent record of the highest temperature reached. Available ranges: 149°C /300°F - 177°C/350°F and 182°C/360°F - 210°C/410°F.

### 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](http://www.bradycanada.ca/weee-rohs)

In Europe: [www.bradyeurope.com/rohs](http://www.bradyeurope.com/rohs)

In Japan: [www.brady.co.jp/products/labelsuse/rohs](http://www.brady.co.jp/products/labelsuse/rohs)

All other regions: [www.bradyid.com/weee-rohs](http://www.bradyid.com/weee-rohs)

### Details:

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	ASTM D 1000 -Substrate -Adhesive -Total label thickness (excluding temperature element )  - Total label thickness including temperature element (approximately)	0,050 mm (0,002 inch) 0,115 mm (0,0045 inch) 0,165 mm (0,0065 inch)  0,360 mm (0,014 inch)
Adhesion to:	ASTM D 1000	
- Stainless Steel	24 hour dwell	94 N/100 mm (85 oz/inch)
- Smooth ABS	24 hour dwell	84 N/100 mm (76 oz/inch)
- Polypropylene	24 hour dwell	88 N/100mm (80 oz/inch)
- Polyester Powder Coated Paint	24 hour dwell	86 N/100 mm (78 oz/inch)

### Colour Change Material

Non toxic, white crystalline solid on a black absorbent backing, adhered with acrylic adhesive.

### Tolerances

143°C-154°C =  $\pm 1.5^{\circ}\text{C}$

> 154°C =  $1\%\pm 1^{\circ}\text{C}$

### 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.)

**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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