

BRADY B- 7511 IRREVERSIBLE TEMPERATURE LABELS FOR LOW TEMPERATURES

TDS No. B-7511
Effective Date: 03/06/2019

Description:

GENERAL

Materials Type: Subsurface printed clear polyester

Finish: Glossy

Adhesive: Permanent modified acrylic

APPLICATIONS

Temperature indicating labels for permanent record of the highest temperature reached. Temperature range covered is 37°C/ 99°F to 143°C/289°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

In Europe: www.bradyeurope.com/rohs

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

All other regions: 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) 0.125 mm (0.0049 inch) 0.175 mm (0.0069 inch) 0,400 mm (0.016 inch)
Adhesion to:	ASTM D 1000	
- Stainless Steel	24 hour dwell	153 N/100 mm (138 oz/inch)
- Smooth ABS	24 hour dwell	169 N/100 mm (153 oz/inch)
- Polypropylene	24 hour dwell	112 N/100mm (101 oz/inch)
- Polyester Powder Coated Paint	24 hour dwell	151 N/100 mm (137 oz/inch)
Minimum Application Temperature		+10°C

Colour Change Material

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

Tolerances

<100°C = ±1°C

100°C-143°C = ±1.5°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 applications.

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.

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.

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