

**REVERSIBLE TEMPERATURE INDICATING LABELS**

TDS No. B-7518  
 Effective Date: 11/09/2015

**Description:**

**GENERAL**

**Materials type:** Subsurface printed clear polyester

**Finish:** Glossy

**Adhesive:** Permanent modified acrylic

**APPLICATIONS**

Reversible temperature indicating labels that change in colour at designated temperatures. Temperature range covered is 0°C (32°F) to 100°C (212°F).

**REGULATORY/AGENCY APPROVALS**

Brady B-7518 is RoHS compliant to RoHS directive 2011/65/EU.

**Details:**

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	ASTM D 1000 Total label thickness (substrate + adhesive)	0.22 mm (0.0087 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/100 mm (101 oz/inch)
- Polyester Powder Coated Paint	24 hour dwell	151 N/100 mm (137 oz/inch)
Minimum Application Temperature	+10°C	

\* The domed labels have a higher thickness of approximately 2 mm (maximum)

**Colour Change Material**

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

**Tolerances**

+/- 1°C

**Shelf Life**

The actual storage life for the labels if sealed in a plastic bag is 12 months when stored at room temperature (i.e. 21°C) and 50% relative humidity. Storage out of direct sunlight.

The low temperature indicating labels need to be stored in a refrigerator.

**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.

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