

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.

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Brady Europe | Industriepark C3 Lindestraat 20 | B9240 Zele | Belgium | Tel: +32 52.45.7811 | Fax: +32 52.45.7812

DOMINIQUE DUTSCHER