

IRREVERSIBLE TEMPERATURE LABELS FOR MID TEMPERATURES

TDS No. B-7512
Effective Date: 11/26/2015

Description:

GENERAL

Materials Type: Subsurface printed clear polyethylene naphthalate (PEN)

Finish: Glossy

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/AGENCY APPROVALS

Brady B-7512 is RoHS compliant to RoHS directive 2011/65/EU

Details:

Properties :

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 = ±1.5°C

> 154°C = 1%±1°C

Shelf Life

The actual storage life for labels from 149°C/300°F-182°C/360°F is 24 months when stored around 20°C/68°F and 50% relative humidity.

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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