

EML-HT (25X8)RL-T - High-temperature label



0830656

<https://www.phoenixcontact.com/us/products/0830656>

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High-temperature label, large roll, for thermal transfer printers, resistant for 60 s at up to 300°C



Your advantages

- The EML-HT label is made of an acrylate film that is highly temperature-resistant. It can be used for marking printed circuit boards and in all industrial soldering processes
- Continuous temperature range of -40 °C ... 180 °C, 300 °C for up to 60 seconds
- When combined with the ink ribbon THERMOMARK-RIBBON 110 EML-HT, the marking is highly resistant to high temperatures and chemicals
- The EML-HT ... materials are UL-listed
- Labeling service: Phoenix Contact can custom-label all EML-HT ... markers in accordance with your requirements

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 0830656 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BG16 |
| Product key | BG2411 |
| GTIN | 4046356719308 |
| Weight per piece (including packing) | 584.4 g |
| Weight per piece (excluding packing) | 486.8 g |
| Customs tariff number | 39269097 |
| Country of origin | DE |

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Technical data

Notes

| | |
|---------|--|
| General | For the THERMOMARK ROLL and THERMOMARK ROLL 2.0 roll printers, this material can only be processed with an external media hub. |
|---------|--|

Product properties

| | |
|------------------|---------------------------------|
| Product type | Device marker |
| Product property | Highly resistant to temperature |

Marking

| | |
|-------------------------------------|----------------|
| Number of individual labels | 10000 |
| Number of individual labels per row | 1 |
| Identification technology | Thermotransfer |

Dimensions

| | |
|--------|----------|
| Width | 25.00 mm |
| Height | 8.00 mm |
| Depth | 0.07 mm |

Text field

| | |
|-------------------|-------|
| Text field width | 25 mm |
| Text field height | 8 mm |

Material specifications

| | |
|-------------------|--------------------------------|
| RoHS compliant | yes |
| Foil strength | 50 µm |
| Adhesive strength | 20 µm |
| Adhesive | Acrylic |
| Color | white (RAL 9010) |
| Material | Acrylate |
| Components | free from silicone and halogen |

Environmental and real-life conditions

Ambient conditions

| | |
|---|-------------------|
| Ambient temperature (operation) | -40 °C ... 180 °C |
| Recommended ambient temperature (storage/transport) | 23 °C |
| Recommended humidity (storage/transport) | 50 % |

Test for substances that would hinder coating with paint or varnish

| | |
|---|-------------------------|
| Testing for paint wetting impairment substances (LABS-conformity) | VDMA 24364-A1-L:2018-05 |
| Result | Test passed |

Scratch resistance

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| | |
|---------------|---------------------------------------|
| Specification | DIN EN ISO 1518-1:2019-10 (following) |
|---------------|---------------------------------------|

Tesa film test

| | |
|---------------|----------------------------------|
| Specification | DIN EN ISO 2409:2013 (following) |
| Result | Test passed |

UV resistance

| | |
|---------------|--------------------------------|
| Specification | ISO 4892-2:2013-03 (following) |
| Result | Test passed |
| Test duration | 96 h |
| Procedure | Artificial irradiation. |

Temperature resistance

| | |
|------------------------|---------------------------------|
| Specification | ANSI/UL 969-2018:03 (following) |
| Test duration | 240 h |
| Rating 125 °C (150 °C) | Test passed |

Wipe resistance of inscriptions

| | |
|---|---|
| Specification | DIN EN 61010-1 (VDE 0411-1):2011-07 DIN EN 62208 (VDE 0660-511):2012-06 (in parts) |
| Isopropanol (99%) [67-63-0] | Test passed |
| n-Hexane [CAS No. 110-54-3] | Test passed |
| Water + Petroleum ether [CAS No. 64742-82-1] | Test passed |
| Sodium hydroxide 0.1 mol/l [CAS No. 1310-73-2] | Test passed |
| Ethanol (99 %) [CAS No. 64-17-5] | Test passed |

Immersion in chemicals, oil & fuel

| | |
|---|--------------------------|
| Specification | ISO 175:2010 (following) |
| Test duration | 168 h |
| Saltwater (saturated 350 g/l) [CAS No. -] | Test passed |
| IRM 901 | Test passed |
| IRM 902 | Test passed |
| IRM 903 | Test passed |

Testing in a condensation changing climate in the presence of sulfur dioxide

| | |
|---------------|-------------------------------|
| Specification | DIN 50018:2013-05 (following) |
| Result | Test passed |
| Climate level | AHT 1.0 S |
| Cycles | 2 |

Salt spray test

| | |
|---------------|---------------------------|
| Specification | DIN EN 60068-2-11:2000-02 |
| Result | Test passed |
| Test duration | 96 h |

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Standards and regulations

Wipe resistance

DIN EN 61010-1 (VDE 0411-1)

Mounting

Mounting type

adhesive

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Classifications

ECLASS

ECLASS-13.0

27281103

ETIM

ETIM 9.0

EC001288

UNSPSC

UNSPSC 21.0

39131500

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Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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