# EMLF (108XE)R OG - Label, highly flexible

0804199

https://www.phoenixcontact.com/us/products/0804199

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Label, highly flexible, Roll, orange (RAL 2003), unmarked, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, Number of individual labels: 1, roll length: 48 m, text field height: 108 mm, text field width: 48000 mm

## Your advantages

- EMLF labels consists of soft, highly flexible PVC film that molds itself to uneven surfaces
- Outdoor-durable for up to 8 years when subject to a temperature range of -40 °C ... 90 °C
- Extremely high-quality appearance
- When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences
- Labeling service: Phoenix Contact can custom-label all EMLF ... markers according to your requirements

## Commercial data

| | |
|---|---|
| Item number | 0804199 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BG16 |
| Product key | BG2411 |
| GTIN | 4055626234724 |
| Weight per piece (including packing) | 1,339.3 g |
| Weight per piece (excluding packing) | 1,331.3 g |
| Customs tariff number | 39199080 |
| Country of origin | BE |

# Technical data

## Product properties

| | |
|---|---|
| Product type | Device marker |
| Product property | Highly flexible |

### Marking

| | |
|---|---|
| Number of individual labels | 1 |
| Number of individual labels per row | 1 |
| Identification technology | Thermal transfer |

## Dimensions

| | |
|---|---|
| Length of roll | 48.00 m |
| Height | 108 mm |
| Depth | 0.07 mm |

### Text field

| | |
|---|---|
| Text field width | 48000 mm |
| Text field height | 108 mm |

## Material specifications

| | |
|---|---|
| Foil strength | 60 µm |
| Adhesive strength | 25 µm |
| Adhesive | Acrylic |
| Color | orange (RAL 2003) |
| Material | PVC |
| Base element material | PVC |
| Components | Silicone-free |

## Environmental and real-life conditions

### Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | -40 °C ... 60 °C |
| Recommended ambient temperature (storage/transport) | 22 °C |
| Recommended humidity (storage/transport) | 50 % ... 55 % (Storage in a dry and dark place in the original packaging is recommended) |

### Test for substances that would hinder coating with paint or varnish

| | |
|---|---|
| Testing for paint wetting impairment substances (LABS-conformity) | VW PV 3.10.7:2005-02 |
| Result | Test passed |

### Test for substances that would hinder coating with paint or varnish

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

Scratch resistance

| | |
|---|---|
| Specification | EN ISO 1518-1:2023 (following) |
| Requirements | ≥ 5 N |
| Result | Test passed |

Tesafilm test

| | |
|---|---|
| Specification | DIN EN ISO 2409:2020-12 (following) |
| Result | Test passed |

UV resistance

| | |
|---|---|
| Specification | DIN EN ISO 4892-2:2021-11 (following) |
| Result | Test passed |
| Test duration | 96 h |
| Procedure | Artificial irradiation. |

Temperature storage

| | |
|---|---|
| Specification | IEC 60068-2-2:2007-07 |
| Result | Test passed |
| Procedure | Test Bb |
| Duration | 96 h |
| Temperature for testing | 87 °C |

Wipe resistance of inscriptions

| | |
|---|---|
| Specification | DIN EN 61010-1 (VDE 0411-01):2020-03 |
| | DIN EN 62208 (VDE 0660-511):2012-06 (in parts) |
| Isopropanol (99%) [67-63-0] | Test passed |
| n-Hexane<br>[CAS No. 110-54-3] | Test passed |
| Water + Petroleum ether<br>[CAS No. 64742-82-1] | Test passed |
| Sodium hydroxide 0.1 mol/l<br>[CAS No. 1310-73-2] | Test passed |
| Ethanol (99 %)<br>[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)<br>[CAS No. - ] | Test passed |
| Ethanol (99 %)<br>[CAS No. 64-17-5] | Test passed |
| Diesel<br>[CAS No. 68476-34-6] | 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 EN ISO 22479:2022-08 |
| Result | Test passed |
| Procedure | Method B |
| Cycles | 2 |

Salt spray test

| | |
|---|---|
| Specification | DIN EN IEC 60068-2-11 (VDE 0468-2-11):2022-10 |
| Result | Test passed |
| Test duration | 96 h |

## Mounting

| | |
|---|---|
| Mounting type | adhesive |

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27281103 |
| ECLASS-15.0 | 27281103 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC001288 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 39131500 |

## 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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