



Code tape

PXV000031M-CA25-001186

- High chemical resistance
- Low weight
- Self-adhesive mounting
- High temperature resistance
- High mechanical stability

Data Matrix code tape

Dimensions



Technical Data

General specifications

| | |
|-------------------|--|
| Start position | 1186 m |
| Length | 31 m |
| Width | 25 mm (1 row version) |
| External diameter | max. 180 mm (with max. code tape length of 100 m) |
| Inside diameter | 76 mm (role core) |

Ambient conditions

| | |
|--------------------------|---|
| Operating temperature | -40 ... 100 °C (-40 ... 212 °F) |
| Installation temperature | 10 ... 40 °C (50 ... 104 °F) |
| Environmental resistance | UV radiation Humidity Salt spray (150 h / 5%) |

| | |
|---------------------|---|
| Chemical resistance | Oils Grease Fuels Aliphatic solvents Weak acids |
|---------------------|---|

Mechanical specifications

| | |
|-------------------------|--|
| Material thickness | 150 µm |
| Material | polyester laminate |
| Surface | polyester, matte |
| Mass | 6.3 g / m |
| Tensile strength | ≥ 150 N |
| Manufacturing tolerance | ± 1 mm/m |
| Storage | Maximum 2 years under normal storage conditions. |
| Adhesive | Acrylate-based adhesive ; curing 72 h |

Release date: 2025-06-13 Date of issue: 2025-06-13 Filename: 299652-100920_eng.pdf

Technical Data

| | |
|-------------------|--|
| Adhesive strength | Average values (FTM2) Aluminum : 24 N / 25 mm High grade stainless steel : 25 N / 25 mm ABS : 22 N / 25 mm PP : 18 N / 25 mm HD-PE : 12 N / 25 mm LD-PE : 12 N / 25 mm |
| Note | Max. code tape length of 100 m per roll |

Type Code

Structure of the type code (Ordering information)

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|-----|-----|-----|-----|-----|-----|---|---|---|---|---|---|---|-----|-----|-----|-----|-----|-----|
| P | X | V | (1) | (1) | (1) | (1) | (1) | (1) | M | - | C | A | 2 | 5 | - | (2) | (2) | (2) | (2) | (2) | (2) |
|---|---|---|-----|-----|-----|-----|-----|-----|---|---|---|---|---|---|---|-----|-----|-----|-----|-----|-----|

| PXV | Sensor Type |
|-----|--------------------------------------|
| PXV | Data Matrix positioning system (PXV) |

| (1) (1) (1) (1) (1) (1) | Length of the code tape |
|-------------------------|------------------------------------|
| 1 ... 100000 | Total length of the code tape in m |

| M | Length unit |
|---|-------------|
| M | Meter |

| CA | Code type |
|----|---------------------------------------|
| C | Data Matrix ECC200, Symbol size 12x12 |
| A | Absolute tape |

| 25 | Width of the code tape |
|----|------------------------|
| 25 | 25 mm |

| (2) (2) (2) (2) (2) (2) | Start position |
|-------------------------|---|
| 0 ... 099999 | Starting position of the code tape in m |