

# Plastic tubing PUN-H-12X2-TBL

Part number: 8048711

FESTO



 General operating condition

## Data sheet

| Feature                                            | Value                                                                                                                                                                                                                             |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outside diameter                                   | 12 mm                                                                                                                                                                                                                             |
| Bending radius relevant for flow rate              | 62 mm                                                                                                                                                                                                                             |
| Inside diameter                                    | 8 mm                                                                                                                                                                                                                              |
| Min. bending radius                                | 33 mm                                                                                                                                                                                                                             |
| Application note                                   | TPE-U Ether based                                                                                                                                                                                                                 |
| Tubing characteristics                             | Suitable for energy chains                                                                                                                                                                                                        |
| Operating pressure for entire temperature range    | -0.095 MPa ... 0.6 MPa                                                                                                                                                                                                            |
| Operating pressure for entire temperature range    | -0.95 bar ... 6 bar                                                                                                                                                                                                               |
| Operating pressure for entire temperature range    | -13.775 psi ... 87 psi                                                                                                                                                                                                            |
| Temperature-dependent operating pressure           | -0.095 MPa ... 1 MPa                                                                                                                                                                                                              |
| Temperature-dependent operating pressure           | -0.95 bar ... 10 bar                                                                                                                                                                                                              |
| Temperature-dependent operating pressure           | -13.775 psi ... 145 psi                                                                                                                                                                                                           |
| Information on operating pressure                  | Water: temperature-dependent operating pressure, see diagram, max. 0.3 MPa at 0 - 60 °C                                                                                                                                           |
| Certification                                      | German Technical Control Board (TÜV)                                                                                                                                                                                              |
| Certificate issuing authority                      | B 013277 0506 00                                                                                                                                                                                                                  |
| Operating medium                                   | Compressed air as per ISO 8573-1:2010 [7:-:-]<br>Water (liquid, ice-free)                                                                                                                                                         |
| Material fire test                                 | UL94 HB                                                                                                                                                                                                                           |
| LABS (PWIS) conformity                             | VDMA24364-B2-L                                                                                                                                                                                                                    |
| Suitability for the production of Li-ion batteries | Metals with more than 1% by mass of copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils |
| Cleanroom class                                    | Statically installed element, no meaningful evaluation possible according to ISO 14644-1                                                                                                                                          |
| For use in the food industry                       | See supplementary material information                                                                                                                                                                                            |
| Ambient temperature                                | -35 °C ... 60 °C                                                                                                                                                                                                                  |
| Product weight by length                           | 0.0729 kg/m                                                                                                                                                                                                                       |
| Pneumatic connection                               | For plug connection outside diameter 12 mm                                                                                                                                                                                        |
| Color                                              | Translucent blue                                                                                                                                                                                                                  |
| Shore hardness                                     | D 52 +/-3                                                                                                                                                                                                                         |
| Note on materials                                  | RoHS-compliant                                                                                                                                                                                                                    |
| Material of pneumatic tubing                       | TPE-U(PU)                                                                                                                                                                                                                         |