

# Plastic tubing PUN-H-6X1-SW-500

Part number: 558251

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                            | Value                                                                                                                                                    |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outside diameter                                   | 6 mm                                                                                                                                                     |
| Flow-relevant bending radius                       | 26 mm                                                                                                                                                    |
| Inside diameter                                    | 4 mm                                                                                                                                                     |
| Min. bending radius                                | 10 mm                                                                                                                                                    |
| Instructions on use                                | TPE-U Ether based                                                                                                                                        |
| Tubing characteristics                             | Suitable for energy chains                                                                                                                               |
| Operating pressure complete temperature range      | -0.095 MPa ... 0.6 MPa                                                                                                                                   |
| Operating pressure complete temperature range      | -0.95 bar ... 6 bar                                                                                                                                      |
| Operating pressure complete 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                                                                                                                                  |
| Note on operating pressure                         | Water: temperature-dependent operating pressure, see diagram, max. 0.3 MPa at 0 - 60 °C                                                                  |
| Approval                                           | German Technical Control Board (TÜV)                                                                                                                     |
| Certificate issuing authority                      | B 013277 0506 00                                                                                                                                         |
| Operating medium                                   | Compressed air to ISO 8573-1:2010 [7:-:-]<br>Water (liquid, ice-free)                                                                                    |
| Fire test material                                 | UL94 HB                                                                                                                                                  |
| LABS (PWIS) conformity                             | VDMA24364-B2-L                                                                                                                                           |
| Suitability for the production of Li-ion batteries | Suitable for battery production according to the Festo internal definition of the degree of severity F1A with restrictions regarding the use of Cu/Zn/Ni |
| Cleanroom class                                    | Element installed statically, no meaningful evaluation possible according to ISO 14644-1                                                                 |
| Suitable for use with food                         | See supplementary material information                                                                                                                   |
| Ambient temperature                                | -35 °C ... 60 °C                                                                                                                                         |
| Product weight according to length                 | 0.0183 kg/m                                                                                                                                              |
| Pneumatic connection                               | For push-in connector O.D. 6 mm<br>For barbed fitting I.D. 4 mm with union nut                                                                           |
| Colour                                             | Black                                                                                                                                                    |
| Shore hardness                                     | D 52 +/-3                                                                                                                                                |
| Note on materials                                  | RoHS-compliant                                                                                                                                           |
| Material tubing                                    | TPE-U(PU)                                                                                                                                                |