

# Plastic tubing PUN-H-8X1,25-GN

Part number: 558294

FESTO



 General operating condition

## Data sheet

| Feature                                            | Value                                                                                                                                                                                                                 |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outside diameter                                   | 8 mm                                                                                                                                                                                                                  |
| Flow-relevant bending radius                       | 37 mm                                                                                                                                                                                                                 |
| Inside diameter                                    | 5.7 mm                                                                                                                                                                                                                |
| Min. bending radius                                | 21 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 | Metals with more than 1% by mass of copper, zinc or nickel are excluded from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils |
| 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                 | 0.0287 kg/m                                                                                                                                                                                                           |
| Pneumatic connection                               | For push-in connector O.D. 8 mm<br>For barbed fitting inside diameter of 6 mm with union nut                                                                                                                          |
| Colour                                             | Green                                                                                                                                                                                                                 |
| Shore hardness                                     | D 52 +/-3                                                                                                                                                                                                             |
| Note on materials                                  | RoHS-compliant                                                                                                                                                                                                        |
| Material tubing                                    | TPE-U(PU)                                                                                                                                                                                                             |