

# Plastic tubing PUN-6X1-GN

Part number: 178425

FESTO



 General operating condition

## Data sheet

| Feature                                         | Value                                                                                                                                                                               |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outside diameter                                | 6 mm                                                                                                                                                                                |
| Bending radius relevant for flow rate           | 26.5 mm                                                                                                                                                                             |
| Inside diameter                                 | 4 mm                                                                                                                                                                                |
| Min. bending radius                             | 16 mm                                                                                                                                                                               |
| Application note                                | TPE-U Ester based<br>The plastic tubing may only be laid in contact with cables if their sheathing is free of phosphoric acid esters. Otherwise the plastic tubing may get damaged. |
| Tubing characteristics                          | Suitable for energy chains                                                                                                                                                          |
| Operating pressure for entire temperature range | -0.095 MPa ... 0.7 MPa                                                                                                                                                              |
| Operating pressure for entire temperature range | -0.95 bar ... 7 bar                                                                                                                                                                 |
| Operating pressure for entire temperature range | -13.775 psi ... 101.5 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                                                                                                                                                             |
| Certification                                   | German Technical Control Board (TÜV)                                                                                                                                                |
| Certificate issuing authority                   | B 013277 0506 00                                                                                                                                                                    |
| Operating medium                                | Compressed air as per ISO 8573-1:2010 [7:-:-]                                                                                                                                       |
| Material fire test                              | UL94 HB                                                                                                                                                                             |
| LABS (PWIS) conformity                          | VDMA24364-B2-L                                                                                                                                                                      |
| Ambient temperature                             | -35 °C ... 60 °C                                                                                                                                                                    |
| Product weight by length                        | 0.0192 kg/m                                                                                                                                                                         |
| Pneumatic connection                            | For plug connection outside diameter 6 mm<br>For barbed fitting, inside diameter 4 mm, with union nut<br>For barbed fitting, inside diameter 4 mm                                   |
| Color                                           | Green                                                                                                                                                                               |
| Shore hardness                                  | D 52 +/-3                                                                                                                                                                           |
| Note on materials                               | RoHS-compliant                                                                                                                                                                      |
| Material of pneumatic tubing                    | TPE-U(PU)                                                                                                                                                                           |