

# Plastic tubing PEN-8X1,25-SI-400

Part number: 551452

**FESTO**



## Data sheet

| Feature                                                   | Value                                                                                                                                                                                           |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outside diameter                                          | 8 mm                                                                                                                                                                                            |
| Bending radius relevant for flow rate                     | 35 mm                                                                                                                                                                                           |
| Inside diameter                                           | 5.7 mm                                                                                                                                                                                          |
| Min. bending radius                                       | 22.5 mm                                                                                                                                                                                         |
| Tubing characteristics                                    | Suitable for energy chains                                                                                                                                                                      |
| Temperature-dependent operating pressure                  | -0.095 MPa...1 MPa<br>-0.95 bar...10 bar<br>-13.775 psi...145 psi                                                                                                                               |
| Information on operating pressure                         | Water: max. 0.6 MPa at 0 - 50 °C                                                                                                                                                                |
| Certification                                             | TÜV                                                                                                                                                                                             |
| Certificate issuing authority                             | B 013277 0527 00                                                                                                                                                                                |
| Operating medium                                          | Compressed air as per ISO 8573-1:2010 [7:::]<br>Water (liquid, ice-free)                                                                                                                        |
| LABS (PWIS) conformity                                    | VDMA24364-B2-L                                                                                                                                                                                  |
| Cleanroom suitability, measured according to ISO 14644-14 | Statically installed element, no meaningful evaluation possible according to ISO 14644-1                                                                                                        |
| Ambient temperature                                       | -30 °C...60 °C                                                                                                                                                                                  |
| Product weight by length                                  | 0.02327 kg/m                                                                                                                                                                                    |
| Pneumatic connection                                      | For plug connection outside diameter 8 mm<br>For plug connection outside diameter 5/16"<br>For barbed fitting, inside diameter 6 mm, with union nut<br>For barbed fitting, inside diameter 6 mm |
| Color                                                     | Silver                                                                                                                                                                                          |
| Shore hardness                                            | D 52 +/-3                                                                                                                                                                                       |
| Note on materials                                         | RoHS compliant                                                                                                                                                                                  |
| Material of pneumatic tubing                              | Protective grounding                                                                                                                                                                            |