

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

Part number: 551440

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                  | Value                                                                                                                                      |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Outside diameter                         | 8 mm                                                                                                                                       |
| Flow-relevant bending radius             | 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                                                                                                                       |
| Temperature-dependent operating pressure | -0.95 bar ... 10 bar                                                                                                                       |
| Temperature-dependent operating pressure | -13.775 psi ... 145 psi                                                                                                                    |
| Note on operating pressure               | Water: max. 0.6 MPa at 0 - 50 °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)                                                                      |
| LABS (PWIS) conformity                   | VDMA24364-B2-L                                                                                                                             |
| Cleanroom class                          | Element installed statically, no meaningful evaluation possible according to ISO 14644-1                                                   |
| Ambient temperature                      | -30 °C ... 60 °C                                                                                                                           |
| Product weight according to length       | 0.02327 kg/m                                                                                                                               |
| Pneumatic connection                     | For push-in connector O.D. 8 mm<br>For barbed fitting inside diameter of 6 mm with union nut<br>For barbed fitting inside diameter of 6 mm |
| Colour                                   | Black                                                                                                                                      |
| Shore hardness                           | D 52 +/-3                                                                                                                                  |
| Note on materials                        | RoHS-compliant                                                                                                                             |
| Material tubing                          | PE                                                                                                                                         |