

OSNALINE® Specification for plastic tubes



78P PE-LD Rev. 1

1.0 Content

The specification describes the minimum requirements for plastic tubes.

2.0 Design

Single pass tube, extruded of virginal low density polyethylen material (black).



3.0 Standard

ASTM 1248

4.0 Delivery form

Tube ends are capped and sealed against dust and moisture.

Printed with dimension, material and production code.

Packing and delivery length see table:

- A - Reel Ø 500mm
- B - Box 480x480x200mm
- C - Box 440x440x115mm
- D – Reel Ø 1000mm

5.0 Quality inspections

- Dimensions
- Pressure test

6.0 Characteristics

- Halogen-free
- UV-stabilized
- Wide temperature range -40/+60 °C
- Flexible
- Coloured available
- Flame retardant (content of halogen) acc. to DIN 4102 B2 available

7.0 Application

- Control lines for instruments and control units

8.0 Chemical resistant

Resistant against various chemicals (see public tables)

| Dimension [mm] | Outside diameter [mm] | Inside diameter [mm] | Min. bending radius [mm] | Working pressure [bar] Safety factor of 3 | | | Weight [Kg/100m] | Max. Delivery length [m] Packing | | |
|----------------|-----------------------|----------------------|--------------------------|---|------|------|------------------|----------------------------------|-----|------|
| | | | | 20°C | 40°C | 60°C | | 250 | 500 | 1000 |
| 6x1 | 6 +/-0,1 | 4 +/-0,2 | 30 | 13 | 7 | 3 | 1,44 | C | B | A |
| 8x1 | 8 +/-0,1 | 6 +/-0,2 | 40 | 9 | 5 | 2 | 2,02 | B | A | A |
| 10x1 | 10 +/-0,1 | 8 +/-0,2 | 50 | 7 | 3 | 1 | 2,6 | A | A | D |
| 12x1 | 12 +/-0,15 | 10 +/-0,3 | 60 | 6 | 3 | 1 | 3,18 | A | D | D |
| | | | | | | | | | | |
| 6,35x1,02 | 6,35 +/-0,1 | 4,31 +/-0,2 | 30 | 13 | 7 | 3 | 1,57 | C | B | A |
| 9,52x1,02 | 9,52 +/-0,1 | 7,48 +/-0,2 | 50 | 8 | 4 | 2 | 2,5 | A | A | D |
| 9,52x1,57 | 9,52 +/-0,1 | 6,38 +/-0,2 | 50 | 13 | 7 | 3 | 3,6 | A | A | D |
| 12,7x1,57 | 12,7 +/-0,15 | 9,56 +/-0,3 | 60 | 9 | 5 | 2 | 5,05 | D | D | D |

Differing dimensions on request

www.marine-applications.com

Erst:Bo/Gepr:Bo/Gen:Dan

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