

# OSNALINE® Specification for plastic tubes



## 78P PA12-HIPHL Rev. 2

### 1.0 Content

The specification describes the minimum requirements for tubes made of PA12-HIPHL.

### 2.0 Design

Single pass tube made of pure polyamide plastic (black) made in the extrusion process.



### 3.0 Standard

PA12-HIPHL acc. to DIN 73378

### 4.0 Delivery form

Tube ends are capped and sealed against dust and moisture.

Printed on with dimension, material and production code.

Packing and delivering lengths see table:

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

### 5.0 Quality inspection

- Dimensions
- pressure test

### 6.0 Characteristics

- UV-stabilized
- Wide temperature range -40/+100°C
- Flexible, easy to install
- Coloured available

### 7.0 Application

- Pneumatic control lines for instrumentation and control technology
- Hydraulic lines
- Sampling lines

### 8.0 Chemical resistance

Resistant against various chemicals (see public tables)

Tube dimensions [mm]	Overall diameter [mm]	Inner diameter [mm]	Minimum bending radius [mm]	Working pressure [bar] with a safety factor of 3					Weight [Kg/100m]	Maximum length of delivery [m] Packaging unit		
				20°C	40°C	60°C	80°C	100°C		250	500	1000
6x1	6 +/-0,1	4 +/-0,2	30	27	19	15	13	10	1,6	C	B	A
8x1	8 +/-0,1	6 +/-0,2	40	19	13	11	9	7	2,3	B	A	A
10x1	10 +/-0,1	8 +/-0,2	50	15	11	8	7	5	2,9	A	A	D
12x1	12 +/-0,15	10 +/-0,3	60	12	9	7	5	5	3,6	A	D	D
16x2	16 +/-0,15	12 +/-0,3	80	19	13	10	9	7	9,1	C	B	A
6,35x1,02	6,35 +/-0,1	4,31 +/-0,2	30	27	19	15	13	10	1,8	A	A	D
9,52x1,02	9,52 +/-0,1	7,48 +/-0,2	50	16	11	9	7	6	2,8	A	A	D
9,52x1,57	9,52 +/-0,1	6,38 +/-0,2	50	27	19	15	13	10	4	D	D	D
12,7x1,57	12,7 +/-0,15	9,56 +/-0,3	60	19	13	11	9	7	5,7	C	B	A

Differing dimensions on request  
[www.marine-applications.com](http://www.marine-applications.com)  
 Erst:Bo/Gepr:Bo/Gen:Dan

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