

# TECHNICAL TUBES POLYETHYLENE TUBE



**PLUS**

**COMPLIES TO FDA DIRECTIVE**

**COMPATIBLE WITH DIFFERENT  
CHEMICALS**

**GOOD COMPROMISE BETWEEN  
PRESSURE AND TEMPERATURE**

**APPROVED FOR PERMANENT  
CONTACT WITH BEVERAGES AND  
FOOD PRODUCTS**

**WIDE RANGE OF COLOURS TO  
DIFFERENTIATE LIQUIDS**





p. 727 / **PE**



p. 728 / **PE-INCH**





-29°C ÷ 66°C

#### Working pressure:

See the table



#### Burst pressure:

See the table

#### Negative pressure:

- 0,95 Bar ( - 95 Kpa)



Compressed air & vacuum,  
suitable for purifiers, water  
conditioners, ice machines,  
nebulisers and food contact  
applications



Material: Polyethylene

#### FEATURES

- Tensile strength at break (MD): 430 kg/cm<sup>2</sup>
- Tensile strength at break (TD): 360 kg/cm<sup>2</sup>
- Elongation at break (MD): 750 %
- Elongation at break (TD): 850 %
- Density: 0,919 g/cm<sup>3</sup>



Food contact materials  
EC 1935/2004



D.M. 174/2004



ICIM certified product  
food contact materials



ICIM certified product  
water contact materials



ACS certified tube for  
black and blue colours



NSF51 / NSF61  
NSF certificate on behalf of  
CDC PNEUMATICS CORP.

**SILICONE FREE**



Products in compliance with  
EC Regulation 1907/2006



Products in compliance with  
the directive EU 2015/863

## PE

## Polyethylene metric tube



| CODE        | Ø<br>ODxID | TOLERANCE<br>Ø OD | THICKNESS<br>(mm) | MIN. BENDING<br>RADIUS AT 23 °C<br>(mm) | WORKING<br>PRESSURE AT<br>20 °C<br>(Bar) | MAX. WORKING<br>PRESSURE<br>(Bar) | BURSTING<br>PRESSURE AT<br>23 °C<br>(Bar) | g/m  | Q.TY FOR<br>ROLL<br>(mt) |
|-------------|------------|-------------------|-------------------|-----------------------------------------|------------------------------------------|-----------------------------------|-------------------------------------------|------|--------------------------|
| PE0425...FF | 4x2,5      | ±0,08             | 0,75              | 25                                      | 15                                       | 16                                | 30                                        | 9,65 | 200                      |
| PE0604...FF | 6x4        | ±0,08             | 1                 | 25                                      | 15                                       | 16                                | 30                                        | 19,8 | 100                      |
| PE0806...FF | 8x6        | ±0,08             | 1                 | 25                                      | 10                                       | 12                                | 20                                        | 25,5 | 100                      |
| PE1007...FF | 10x7       | ±0,08             | 1,5               | 32                                      | 10                                       | 12                                | 20                                        | 45,1 | 100                      |
| PE1209...FF | 12x9       | ±0,08             | 1,5               | 63                                      | 10                                       | 12                                | 20                                        | 50,6 | 100                      |



| Sizes<br>ODxID | <br>Natural | <br>Black | <br>White | <br>Red | <br>Blue | <br>Green | <br>Yellow |
|----------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| 4x2,5          | PE0425NU-FF                                                                                  | PE0425NE-FF                                                                                | PE0425BO-FF                                                                                | PE0425RO-FF                                                                              | PE0425BL-FF                                                                                 | PE0425VD-FF                                                                                  | PE0425GL-FF                                                                                   |
| 6x4            | PE0604NU-FF                                                                                  | PE0604NE-FF                                                                                | PE0604BO-FF                                                                                | PE0604RO-FF                                                                              | PE0604BL-FF                                                                                 | PE0604VD-FF                                                                                  | PE0604GL-FF                                                                                   |
| 8x6            | PE0806NU-FF                                                                                  | PE0806NE-FF                                                                                | PE0806BO-FF                                                                                | PE0806RO-FF                                                                              | PE0806BL-FF                                                                                 | PE0806VD-FF                                                                                  | PE0806GL-FF                                                                                   |
| 10x7           | PE1007NU-FF                                                                                  | PE1007NE-FF                                                                                | PE1007BO-FF                                                                                | PE1007RO-FF                                                                              | PE1007BL-FF                                                                                 | PE1007VD-FF                                                                                  | PE1007GL-FF                                                                                   |
| 12x9           | PE1209NU-FF                                                                                  | PE1209NE-FF                                                                                | PE1209BO-FF                                                                                | PE1209RO-FF                                                                              | PE1209BL-FF                                                                                 | PE1209VD-FF                                                                                  | PE1209GL-FF                                                                                   |

## PE-INCH

## Polyethylene inch tube



| CODE       | DN    | TOLERANCE<br>Ø OD | THICKNESS<br>(mm) | MIN. BENDING<br>RADIUS AT 23 °C<br>(mm) | WORKING<br>PRESSURE AT<br>20 °C<br>(Bar) | MAX. WORKING<br>PRESSURE<br>(Bar) | BURSTING<br>PRESSURE AT<br>23 °C<br>(Bar) | g/m  | Q.TY FOR<br>ROLL<br>(mt) |
|------------|-------|-------------------|-------------------|-----------------------------------------|------------------------------------------|-----------------------------------|-------------------------------------------|------|--------------------------|
| PE3/16..FF | 3/16" | ±0,08             | 0,79              | 25,4                                    | 15                                       | 16                                | 30                                        | 12,2 | 200                      |
| PE1/4..FF  | 1/4"  | ±0,08             | 1,02              | 25,4                                    | 15                                       | 16                                | 30                                        | 19,8 | 100                      |
| PE5/16..FF | 5/16" | ±0,08             | 1,22              | 28,7                                    | 10                                       | 12                                | 20                                        | 31,2 | 100                      |
| PE3/8..FF  | 3/8"  | ±0,08             | 1,58              | 31,8                                    | 10                                       | 12                                | 20                                        | 45,6 | 100                      |
| PE1/2..FF  | 1/2"  | ±0,08             | 1,58              | 63,5                                    | 10                                       | 12                                | 20                                        | 60,1 | 100                      |

**PE-INCH:** For the Ø5/32" tube we recommend PE0425..FF

| Sizes<br>DN | <br>Natural | <br>Black | <br>White | <br>Red | <br>Blue | <br>Green | <br>Yellow |
|-------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 3/16"       | PE3/16NU-FF                                                                                    | PE3/16NE-FF                                                                                  | PE3/16BO-FF                                                                                  | PE3/16RO-FF                                                                                | PE3/16BL-FF                                                                                   | PE3/16VD-FF                                                                                    | PE3/16GL-FF                                                                                     |
| 1/4"        | PE1/4NU-FF                                                                                     | PE1/4NE-FF                                                                                   | PE1/4BO-FF                                                                                   | PE1/4RO-FF                                                                                 | PE1/4BL-FF                                                                                    | PE1/4VD-FF                                                                                     | PE1/4GL-FF                                                                                      |
| 5/16"       | PE5/16NU-FF                                                                                    | PE5/16NE-FF                                                                                  | PE5/16BO-FF                                                                                  | PE5/16RO-FF                                                                                | PE5/16BL-FF                                                                                   | PE5/16VD-FF                                                                                    | PE5/16GL-FF                                                                                     |
| 3/8"        | PE3/8NU-FF                                                                                     | PE3/8NE-FF                                                                                   | PE3/8BO-FF                                                                                   | PE3/8RO-FF                                                                                 | PE3/8BL-FF                                                                                    | PE3/8VD-FF                                                                                     | PE3/8GL-FF                                                                                      |
| 1/2"        | PE1/2NU-FF                                                                                     | PE1/2NE-FF                                                                                   | PE1/2BO-FF                                                                                   | PE1/2RO-FF                                                                                 | PE1/2BL-FF                                                                                    | PE1/2VD-FF                                                                                     | PE1/2GL-FF                                                                                      |

