



# NEXCLEAR®

## Clear PVC Tubing

### FDA, NSF 51, USP Class VI

#### Series 100



Series 100 is flexible PVC tubing for beverages and potable water, non-fatty and non-oily foods and sanitary products. The tubing features a smooth interior that is abrasion resistant and will not impart taste or odor, and allows full-flow. The clear PVC construction permits visual observation of materials being conveyed. Series 100 also provides excellent general industrial service for low pressure air, distilled water, drain, laboratory, light vacuum, wine and wire harness applications.

- Tube:** Clear PVC, 75A durometer
- Temp. Range:** +25°F to +150°F (-5°C to +65°C)  
Working pressures are at +68°F (+20°C).  
Higher temperatures reduce the available working pressure. [See the PVC and Thermoplastic Temperature/Pressure chart on page 445.](#)
- Brand Method:** Black ink
- Brand Example:** NEXCLEAR® FOOD GRADE PVC TUBING BY PARKER NEXGEN® (P/N) (ID) X (OD) NSF-51 MAX TEMP 150°F (65°C) CANADA (DATE CODE)
- Industry Standards:**
- FDA ingredients\*\*\*, NSF 51 certified to 180°F (82°C)\*\*\*, USP Class VI Rated Materials\*\*\*
  - RoHS Compliant, US Government A-A-52047 Type VI Compliant
  - EU: Meets requirements and amendments of Resolution AP(89) for food contact
- Applications:**
- Beverages, potable and pure water, wine
  - Air, drain, light vacuum, wire harness
  - General industrial, laboratories, wineries
- Vacuum:** Light
- Packaging:** Coils

| Part Number  | ID (in) | ID (mm) | Wall (in) | Wall (mm) | OD (in) | OD (mm) | Approx Wt (lbs/ft) | Approx Wt (kg/ft) | △ Max Rec WP @ 68°F (psi) | △ Max Rec WP @ 20°C (bar) | Std Pack Qty (ft) | Stock Status ** (USA) |
|--------------|---------|---------|-----------|-----------|---------|---------|--------------------|-------------------|---------------------------|---------------------------|-------------------|-----------------------|
| 100-01020502 | 1/16    | 1.6     | 0.031     | 0.8       | 1/8     | 3.2     | 0.02               | 0.01              | 50                        | 3.4                       | 500               | N                     |
| 100-02040102 | 1/8     | 3.2     | 0.062     | 1.6       | 1/4     | 6.4     | 0.02               | 0.01              | 65                        | 4.5                       | 100               | Y                     |
| 100-03040102 | 3/16    | 4.8     | 0.032     | 0.8       | 1/4     | 6.4     | 0.02               | 0.01              | 50                        | 3.4                       | 100               | N                     |
| 100-03050102 | 3/16    | 4.8     | 0.062     | 1.6       | 5/16    | 7.9     | 0.02               | 0.01              | 55                        | 3.8                       | 100               | Y                     |
| 100-03060102 | 3/16    | 4.8     | 0.094     | 2.4       | 3/8     | 9.5     | 0.04               | 0.02              | 60                        | 4.1                       | 100               | N                     |
| 100-04060102 | 1/4     | 6.4     | 0.062     | 1.6       | 3/8     | 9.5     | 0.04               | 0.02              | 55                        | 3.8                       | 100               | Y                     |
| 100-04070102 | 1/4     | 6.4     | 0.094     | 2.4       | 7/16    | 11.1    | 0.04               | 0.02              | 58                        | 4.0                       | 100               | N                     |
| 100-04080102 | 1/4     | 6.4     | 0.125     | 3.2       | 1/2     | 12.7    | 0.09               | 0.04              | 60                        | 4.1                       | 100               | Y                     |
| 100-05070102 | 5/16    | 7.9     | 0.062     | 1.6       | 7/16    | 11.1    | 0.04               | 0.02              | 50                        | 3.4                       | 100               | Y                     |

\*\* **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

\*\*\* All compound ingredients used in this tubing are listed in the US FDA CFR, Title 21. Tubing NSF 51 Listed. Compound USP Class VI rated.

(Continued on the following page)

**⚠ WARNING!** Working pressures are at +68°F (+20°C). Higher temperatures reduce the available working pressure. [See the PVC and Thermoplastic Temperature/Pressure chart on page 445.](#)

## Series 100 — NEXCLEAR® Clear PVC Tubing (Continued)

| Part Number  | ID (in) | ID (mm) | Wall (in) | Wall (mm) | OD (in) | OD (mm) | Approx Wt (lbs/ft) | Approx Wt (kg/ft) | △ Max Rec WP @ 68°F (psi) | △ Max Rec WP @ 20°C (bar) | Std Pack Qty (ft) | Stock Status ** (USA) |
|--------------|---------|---------|-----------|-----------|---------|---------|--------------------|-------------------|---------------------------|---------------------------|-------------------|-----------------------|
| 100-05080102 | 5/16    | 7.9     | 0.094     | 2.4       | 1/2     | 12.7    | 0.07               | 0.03              | 55                        | 3.8                       | 100               | Y                     |
| 100-05090102 | 5/16    | 7.9     | 0.125     | 3.2       | 9/16    | 14.3    | 0.09               | 0.04              | 60                        | 4.1                       | 100               | N                     |
| 100-06080102 | 3/8     | 9.5     | 0.062     | 1.6       | 1/2     | 12.7    | 0.04               | 0.02              | 45                        | 3.1                       | 100               | Y                     |
| 100-06090102 | 3/8     | 9.5     | 0.094     | 2.4       | 9/16    | 14.3    | 0.07               | 0.03              | 50                        | 3.4                       | 100               | N                     |
| 100-06100102 | 3/8     | 9.5     | 0.125     | 3.2       | 5/8     | 15.9    | 0.11               | 0.05              | 55                        | 3.8                       | 100               | Y                     |
| 100-07090102 | 7/16    | 11.1    | 0.062     | 1.6       | 9/16    | 14.3    | 0.04               | 0.02              | 35                        | 2.4                       | 100               | N                     |
| 100-08100102 | 1/2     | 12.7    | 0.062     | 1.6       | 5/8     | 15.9    | 0.07               | 0.03              | 30                        | 2.1                       | 100               | Y                     |
| 100-08110102 | 1/2     | 12.7    | 0.094     | 2.4       | 11/16   | 17.5    | 0.09               | 0.04              | 40                        | 2.8                       | 100               | N                     |
| 100-08120102 | 1/2     | 12.7    | 0.125     | 3.2       | 3/4     | 19.1    | 0.13               | 0.06              | 45                        | 3.1                       | 100               | Y                     |
| 100-10120102 | 5/8     | 15.9    | 0.062     | 1.6       | 3/4     | 19.1    | 0.07               | 0.03              | 25                        | 1.7                       | 100               | Y                     |
| 100-10130102 | 5/8     | 15.9    | 0.094     | 2.4       | 13/16   | 20.6    | 0.11               | 0.05              | 35                        | 2.4                       | 100               | N                     |
| 100-10140102 | 5/8     | 15.9    | 0.125     | 3.2       | 7/8     | 22.2    | 0.15               | 0.07              | 40                        | 2.8                       | 100               | N                     |
| 100-12160100 | 3/4     | 19.1    | 0.125     | 3.2       | 1       | 25.4    | 0.18               | 0.08              | 35                        | 2.4                       | 100               | Y                     |
| 100-12180100 | 3/4     | 19.1    | 0.187     | 4.7       | 1-1/8   | 28.6    | 0.29               | 0.13              | 40                        | 2.8                       | 100               | N                     |
| 100-12200100 | 3/4     | 19.1    | 0.250     | 6.4       | 1-1/4   | 31.8    | 0.42               | 0.19              | 45                        | 3.1                       | 100               | N                     |
| 100-14180100 | 7/8     | 22.2    | 0.125     | 3.2       | 1-1/8   | 28.6    | 0.20               | 0.09              | 30                        | 2.1                       | 100               | N                     |
| 100-16200100 | 1       | 25.4    | 0.125     | 3.2       | 1-1/4   | 31.8    | 0.24               | 0.11              | 25                        | 1.7                       | 100               | Y                     |
| 100-16220100 | 1       | 25.4    | 0.187     | 4.7       | 1-3/8   | 34.9    | 0.37               | 0.17              | 30                        | 2.1                       | 100               | N                     |
| 100-16240100 | 1       | 25.4    | 0.250     | 6.4       | 1-1/2   | 38.1    | 0.53               | 0.24              | 35                        | 2.4                       | 100               | N                     |
| 100-20240100 | 1-1/4   | 31.8    | 0.125     | 3.2       | 1-1/2   | 38.1    | 0.29               | 0.13              | 20                        | 1.4                       | 100               | N                     |
| 100-20280100 | 1-1/4   | 31.8    | 0.250     | 6.4       | 1-3/4   | 44.5    | 0.62               | 0.28              | 40                        | 2.8                       | 100               | N                     |
| 100-24300100 | 1-1/2   | 38.1    | 0.187     | 4.7       | 1-7/8   | 47.6    | 0.53               | 0.24              | 30                        | 2.1                       | 100               | N                     |
| 100-24320100 | 1-1/2   | 38.1    | 0.250     | 6.4       | 2       | 50.8    | 0.73               | 0.33              | 35                        | 2.4                       | 100               | Y                     |
| 100-32400100 | 2       | 50.8    | 0.250     | 6.4       | 2-1/2   | 63.5    | 0.93               | 0.42              | 30                        | 2.1                       | 100               | N                     |

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