ADS PolyFlex® Potable Water Service Pipe (CTS PE4710)

ADS PolyFlex potable water service pipe (CTS) is a leader in today’s potable water service market. Its flexibility and durability distinguish it from the competition and make it ideal for a variety of application.

ADS CTS pipe is strong and resistant to many common causes of damage such as vibrations, surface loads and pressure surges.

Applications
- Residential & commercial water service pipe
- Municipal service lines
- Well/pump water systems
- Farm & ranch water systems

Features
- Material conforms to ASTM D3350 requirements
- Certified to meet NSF/ANSI 14/61 standard
- Durable plastic material stands the test of time
- Flexibility makes it ideal for a variety of projects
- Strength withstands weather and the human element
- Incremental footage markets printed every 2 feet throughout each coil length
- Light weight
- Chemically resistant
- Consistent outside diameter regardless of wall thickness or pressure rating

Benefits
- Resistant to rot or corrosion
- Fast and easy to install
- Easy installation provides cost efficiency
- Flexible lengths can be installed in uneven terrain
- Available in a variety of lengths
ADS PolyFlex Potable Water Service Tubing (CTS) Pipe Specification

Scope
This specification describes ADS PolyFlex Potable Water Service Tubing (CTS) pipe SDR 9 for use in potable water service applications.

Pipe Requirements
ADS potable water service tubing shall meet the requirements of ASTM D2737, AWWA C901 and NSF/ANSI Standards 14 and 61. Pipe dimensions shall meet Copper Tubing Size (CTS) standards.

Material Properties
Tubing material shall be high-density polyethylene conforming to the minimum requirements of cell classification 445574C CC3 or 445574E CC3 as defined and described in ASTM D3350. The resin shall have a material designation code of PE4710 by the Plastic Pipe Institute.

Disinfection/Maintenance
The active chlorine content of disinfecting solutions shall not exceed 12%. All disinfecting solution must be flushed from all lines within the system. Industry accepted procedures, like ANSI/AWWA C651 Disinfecting Water Mains, should be followed for both new and repaired potable water lines.

Installation
Installation is similar to other flexible tubing/pipe products. Methods including direct bury, plowing or pulling are applicable per local, state or federal guidelines for the application.

Pipe properties

<table>
<thead>
<tr>
<th>Nominal Diameter in (mm)</th>
<th>¾” (19)</th>
<th>1” (25)</th>
<th>1¼” (32)</th>
<th>1½” (38)</th>
<th>2” (50)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outside diameter in (mm)</td>
<td>0.875 ±0.004 (22.2 ±0.10)</td>
<td>1.125 ±0.005 (28.6 ±0.13)</td>
<td>1.375 ±0.005 (34.9 ±0.13)</td>
<td>1.625 ±0.006 (41.3 ±0.15)</td>
<td>2.125 ±0.006 (54.0 ±0.51)</td>
</tr>
<tr>
<td>Wall Thickness in (mm)</td>
<td>0.097 ±0.010 (2.5 ±0.25)</td>
<td>0.125 ±0.012 (3.2 ±0.30)</td>
<td>0.153 ±0.015 (3.9 ±0.38)</td>
<td>0.181 ±0.018 (4.6 ±0.46)</td>
<td>0.236 ±0.024 (6.0 ±0.61)</td>
</tr>
<tr>
<td>Pressure rating @ 73°F psi (kPa)</td>
<td>250 (1724)</td>
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<td>250 (1724)</td>
</tr>
<tr>
<td>Weight gm/ft (gm/m)</td>
<td>46 (151 ±7)</td>
<td>78 (256 ±10)</td>
<td>125 (410 ±13)</td>
<td>162 (531 ±13)</td>
<td>275 (902 ±16)</td>
</tr>
</tbody>
</table>

Build America, Buy America (BABA)
ADS PolyFlex CTS Pipe, manufactured in accordance with ASTM D2737, complies with the requirements in the Build America, Buy America (BABA) Act.