



TDRFORZA FLOW™

CTS PRESSURE PIPE



TDR Forza flow™ pressure pipe is a market leader in water service, agricultural, landscape irrigation, and potable water applications. Made from high-density polyethylene (HDPE), its lightweight and chemical-resistant design makes it ideal for a wide range of demanding uses.

SCOPE

TDR forza flow™ is available in Potable Water Service Tubing CTS. Engineered for strength and resilience, our pipes withstand vibrations, surface loads, and pressure surges. No matter the application, TDR forza flow™ delivers the flexibility and durability that set it apart from the competition.

APPLICATIONS

Designed for use in residential and commercial water services, municipal service connections, well and pump systems, and agricultural applications including farm and ranch water supply.

BENEFITS

Potable Water Service Tubing (CTS)

Designed specifically for potable water distribution, our CTS tubing offers durability and chemical resistance. It meets ASTM D3350 requirements and is NSF 14/61 certified, making it a preferred choice for modern water service systems.

STANDARDS

TDR Forza Flow™ HDPE Pipe is manufactured using high-density polyethylene (HDPE) 4710 resin with a cell classification of 445574 (C/E). The material meets NSF 14, NSF 61 and ASTM D2737 standards.

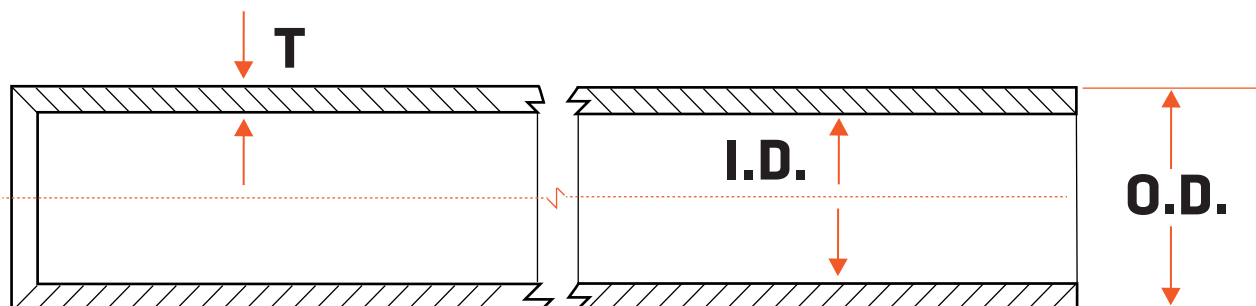
TDR forza flow™ pipe is also available and meets AWWA C901 specifications.

PRESENTATION

Nominal Diameter in (mm)	3/4" (19)	1" (25)	1-1/4" (25)	1-1/2" (25)	2" (25)
Outside diameter in (mm)	0.875 ±0.004 (22.2 ±0.10)	1.125 ±0.005 (28.6 ±0.13)	1.375 ±0.005 (34.9 ±0.13)	1.625 ±0.006 (41.3 ±0.15)	2.125 ±0.006 (54.0 ±0.51)
Inside diameter in (mm)	0.677	0.870	1.063	1.256	1.644
Wall Thickness in (mm)	0.097 ±0.010 (2.5 ±0.25)	0.125 ±0.012 (3.2 ±0.30)	0.153 ±0.015 (3.9 ±0.38)	0.181 ±0.018 (4.6 ±0.46)	0.236 ±0.024 (6.0 ±0.61)
Pressure rating @ 73°F psi (kPa)	250 (1724)	250 (1724)	250 (1724)	250 (1724)	250 (1724)
Weight gm/ft (gm/m)	46 ±2 (151 ±7)	78 ±3 (256 ±10)	125 ±4 (410 ±13)	162 ±4 (531 ±13)	275 ±5 (902 ±16)

Property	Value
1. Density, g/cm ³	>0.947- 0.955
2. Melt index	<0.15
3. Flexural modulus, MPa (psi)	758 - <1103 (110 000 to <160 000)
4. Tensile strength at yield, MPa (psi)	24-<28 (3500 - <4000)
5. Slow Crack Growth Resistance II. PENT (hours)	
6. Hydrostatic Strength Classification basis, MPa (psi), (23°C)	500
C	Black with a carbon black
E	Colored with UV stabilizer

DESIGN



I.D. - Inside diameter **O.D.** - Outside diameter **T** - Wall thickness