

HDPE Water Service

UNDERGROUND FIRE PROTECTION
PRESSURE-RATED HDPE PIPE



DELIVERING GOOD WATER TO YOU



FM 1613, ANSI/AWWA C906, ASTM F714,
ASTM D3350 Cell Class 445574C/E, PPI (TR-4) PE 4710,
ANSI/NSF 61/14

MARKETS



Fire Protection

DESCRIPTION



Standard HDPE

Available Pipe Sizes: (IPS)

4", 6", 8", 10", 12", 14", 16", 18", 20", 22", 24"

Nominal Laying Length: 40/50 feet (Laying length tolerances are in accordance with AWWA and ASTM standards)

Color: ■ Black

FM 1613	
DR 7	335 psi
DR 9	250 psi
DR 11	200 psi



BENEFITS

INSTALLATION

Lightweight, with long laying length, great for easy transportation and installation.

Pipe applicable for open-trench and slip-lining installation.

FEATURES

Extremely durable, corrosive, gouging and abrasion resistant.

Features 100 years design life per Florida DOT.

Great flexibility, and highly suitable for earthquake-prone areas.

Highest PE pressure rating, resistance to slow crack growth and rapid crack propagation.



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SUBMITTAL AND DATA SHEET

HDPE IRON PIPE SIZE (IPS) PRESSURE PIPE FM APPROVED

PIPE SIZE (IN)	AVG. O.D. (IN)	MIN. T. (IN)	AVG. I.D. (IN)	WGT (LBS/FT)	MIN. T. (IN)	AVG. I.D. (IN)	WGT (LBS/FT)	MIN. T. (IN)	AVG. I.D. (IN)	WGT (LBS/FT)
		DR 7 (335 psi)			DR 9 (250 psi)			DR 11 (200 psi)		
4	4.500	0.643	3.137	3.40	0.500	3.440	2.75	0.409	3.633	2.30
5	5.375	0.795	3.747	4.85	0.618	4.109	3.92	0.506	4.338	3.29
6	6.625	0.946	4.619	7.36	0.736	5.065	5.96	0.602	5.349	4.99
7	7.125	1.018	5.056	8.52	0.792	5.446	6.89	0.648	5.751	5.78
8	8.625	1.232	6.013	12.48	0.958	6.594	10.09	0.784	6.963	8.46
10	10.750	1.536	7.494	19.40	1.194	8.219	15.68	0.977	8.679	13.14
12	12.750	1.821	8.889	27.28	1.417	9.746	22.07	1.159	10.293	18.49
14	14.000	2.000	9.760	32.90	1.556	10.107	26.61	1.273	11.301	22.30
16	16.000	2.286	11.154	42.97	1.778	12.231	34.75	1.455	12.915	29.12
18	18.000	2.571	12.549	54.37	2.000	13.760	43.97	1.636	14.532	36.84
20	20.000	2.857	13.943	67.13	2.222	15.289	54.28	1.818	16.146	45.49
22	22.000	3.143	15.337	81.23	2.444	16.819	65.68	2.000	17.760	55.05
24	24.000	3.429	16.732	96.67	2.667	18.346	78.18	2.182	19.374	65.52

Product Standard: FM 1613, ANSI/AWWA C906, ASTM F714

Pipe Compound: PPI TR-4 PE 4710
ASTM D3350 Cell Class 445574 C/E

Certification: FM Approved ANSI/NSF 61, ANSI/NSF 14*

Nominal Laying Length: 40/50 feet

(Laying length tolerances are in accordance with AWWA and ASTM standards)

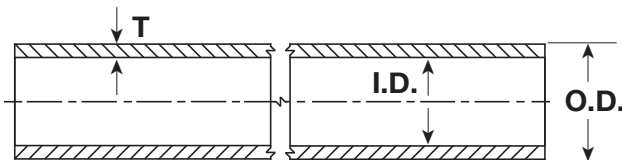
Coil option available upon request for size 6" and below.

Installation: JM Eagle™ HDPE Water/Sewer Installation Guide

Manning Coefficient (n) = 0.009

Hazen-Williams Coefficient (c) = 150

*Supply may vary based on plant location.
Please call regarding availability.



T: (Wall Thickness) **I.D.:** (Inside Diameter) **O.D.:** (Outside Diameter)

