



ASTM D2513 "Standard Specification Polyethylene (PE) Gas Pressure Pipe, Tubing and Fitting

IPS HDPE Gas Distribution Pipe

Dimensions in Inch

PRESSURE RATING 4710			DR7		DR9		DR11		DR11 .5		DR 13.5		DR17		DR 21		DR26		DR 32.5		IPS Pipe Size (In)	
Design Factor(DF)=0.4			125PSI		125psi		125psi		122psi		102psi		80psi		64psi		NA		NA			
Design Factor(DF)=0.32			125PSI		125psi		102psi		98psi		82psi		64psi		51psi		41psi		33psi			
IPS Pipe Size(In)	Nominal OD (in)	Nominal OD (mm)	Min.Wall (in)	Weight (lbs/ft)	Min.Wall (in)	Weight (lbs/ft)	Min.Wall (in)	Weight (lbs/ft)	Min.Wall (in)	Weight (lbs/ft)	Min. Wall (in)	Weight (lbs/ft)	Min.Wall (in)	Weight (lbs/ft)	Min.Wall (in)	Weight (lbs/ft)	Min.Wall (in)	Weight (lbs/ft)	Min.Wall (in)	Weight (lbs/ft)	Min.Wall (in)	Weight (lbs/ft)
1/2	0.840	21.34	0.120	0.117	0.093	0.090	0.076	0.070	0.073	0.076	0.062	0.066	-	-	-	-	-	-	-	-	-	1/2
3/4"	1.050	26.67	0.150	0.184	0.117	0.140	0.095	0.120	0.091	0.119	0.078	0.103	0.062	0.083	-	-	-	-	-	-	-	3/4"
1"	1.315	33.40	0.188	0.288	0.146	0.230	0.120	1.190	0.114	0.186	0.097	0.160	0.077	0.130	-	-	-	-	-	-	-	1"
1 1/4"	1.660	42.16	0.237	0.459	0.184	0.370	0.151	0.310	0.144	0.297	0.123	0.260	0.098	0.210	-	-	-	-	-	-	-	1 1/4"
1 1/2"	1.900	48.26	0.271	0.600	0.211	0.480	0.173	0.410	0.165	0.389	0.141	0.340	0.112	0.270	-	-	-	-	-	-	-	1 1/2"
2"	2.375	60.33	0.339	0.939	0.264	0.760	0.216	0.640	0.207	0.610	0.176	0.530	0.140	0.430	0.113	0.350	-	-	-	-	-	2"
3"	3.500	88.90	0.500	2.040	0.389	1.660	0.318	1.390	0.304	1.330	0.259	1.150	0.206	0.930	0.167	0.760	-	-	-	-	-	3"
4"	4.500	114.30	0.643	3.372	0.500	2.740	0.409	2.300	0.391	2.210	0.333	1.910	0.265	1.540	0.214	1.260	0.173	1.018	0.138	0.819	0.819	4"
5"	5.563	141.30	-	-	0.618	4.190	0.506	3.520	-	-	0.412	2.920	0.327	2.360	0.265	1.930	-	-	-	-	-	5"
6"	6.625	168.28	0.946	7.305	0.736	5.950	0.602	4.980	0.576	4.970	0.491	4.140	0.390	3.350	0.315	2.740	0.255	2.209	0.204	1.800	1.800	6"
8"	8.625	219.08	1.232	12.385	0.958	10.090	0.784	8.450	0.750	8.130	0.639	7.030	0.507	5.670	0.411	4.650	0.332	3.800	0.265	3.060	3.060	8"
10"	10.750	273.05	1.536	19.245	1.194	15.670	0.977	13.140	0.935	12.630	0.796	10.910	0.632	8.820	0.512	7.230	0.413	5.890	0.331	4.760	4.760	10"
12"	12.750	323.85	1.821	27.062	1.417	22.060	1.159	18.480	1.109	17.770	0.944	15.350	0.750	12.410	0.607	10.170	0.490	8.290	0.392	6.690	6.690	12"
PRESSURE RATING 4710		DF=0.32	100psi		100psi		100psi		100psi		82psi		64psi		51psi		41psi		33psi		IPS Pipe Size (In)	
14"	14	355.60	2.000	32.635	1.556	26.600	1.273	22.290	1.217	21.410	1.037	18.520	0.824	14.970	0.667	12.270	0.538	10.000	0.431	8.080	8.080	14"
16"	16	406.40	2.286	42.629	1.778	34.740	1.455	29.120	1.391	27.970	1.185	24.180	0.941	19.540	0.762	16.020	0.615	13.060	0.492	10.540	10.540	16"
18"	18	457.20	2.571	53.940	2.000	43.970	1.636	36.840	1.565	35.400	1.333	30.610	1.059	24.740	0.857	20.270	0.692	16.540	0.554	13.350	13.350	18"
20"	20	508.00	2.857	66.599	2.222	54.280	1.818	45.480	1.739	43.710	1.481	37.780	1.176	30.530	0.952	25.030	0.769	20.420	0.615	16.470	16.470	20"
22"	22	558.80	3.143	80.591	2.444	65.670	2.000	55.040	1.913	52.890	1.630	45.740	1.294	36.950	1.048	30.300	0.846	24.710	0.677	19.940	19.940	22"
24"	24	609.60	3.429	95.916	2.667	78.170	2.182	65.510	2.087	62.950	1.778	54.430	1.412	43.990	1.143	36.060	0.923	29.410	0.738	23.720	23.720	24"

*Product Standard: ASTM D2513

*Pipe Compound: ASTM D3350 PPI PE 4710/PE100 (Virgin Material Only)

*PE4710/PE100 gas distribution pipe is manufactured in accordance with ASTM D 2513 for the underground distribution of natural gas, gaseous LPG, and yard gas.

*Design Factor (DF) of 0.4 may be used for 12" and smaller PE4710 pipe produced. The maximum operating pressure for PE3408/PE4710/PE100 gas distribution pipe 12" and smaller is 125psig and 100psig for pipe larger than 12", and 100psi for all pipe sizes.