



**PE 3408/3608 IPS – PIPE DIMENSIONS**

12/06

**Iron Pipe Size HDPE**

**Municipal & Industrial pipe (Water, Sewer, Reclaimed Water)**

PIPE SIZE	O.D. ACTUAL		DR 9 PC 200	DR 11 PC 160	DR 13.5 PC 128	DR 17 PC 100	DR 21 PC 80
		MIN WALL	.117	.095	.078	.062	-
¾"	1.050	Weight per ft	.15	.13	.11	.09	-
		NOM. I.D.	.802	.849	.884	.918	-
		MIN WALL	.146	.120	.097	.077	-
1"	1.315	Weight per ft	.24	.19	.17	.14	-
		NOM. I.D.	1.005	1.060	1.109	1.152	-
		MIN WALL	.184	.151	.123	.098	-
1-1/4"	1.660	Weight per ft	.37	.31	.26	.22	-
		NOM. I.D.	1.270	1.340	1.399	1.452	-
		MIN WALL	.211	.173	.141	.112	-
1-1/2"	1.900	Weight per ft	.49	.41	.34	.28	-
		NOM. I.D.	1.453	1.533	1.601	1.662	-
		MIN WALL	.264	.216	.176	.140	-
2"	2.375	Weight per ft	.76	.64	.53	.43	-
		NOM. I.D.	1.815	1.917	2.002	2.078	-
		MIN WALL	.389	.318	.259	.206	-
3"	3.500	Weight per ft	1.66	1.39	1.15	.92	-
		NOM. I.D.	2.675	2.826	2.951	3.063	-
		MIN WALL	.500	.409	.333	.265	.214
4"	4.500	Weight per ft	2.74	2.29	1.90	1.54	1.26
		NOM. I.D.	3.440	3.633	3.794	3.938	4.046
		MIN WALL	.736	.602	.491	.390	.315
6"	6.625	Weight per ft	5.93	4.97	4.13	3.34	2.73
		NOM. I.D.	5.065	5.349	5.584	5.798	5.97
		MIN WALL	.958	.784	.639	.507	.411
8"	8.625	Weight per ft	10.05	8.42	7.00	5.65	4.64
		NOM. I.D.	6.594	6.963	7.270	7.550	7.77

<sup>1</sup> 07 PE 34083608 IPS PIPE DIMENSIONS



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PIPE SIZE	O.D. ACTUAL		DR 9 PC 200	DR 11 PC 160	DR 13.5 PC 128	DR 17 PC 100	DR 21 PC 80
		MIN WALL	1.194	.977	.796	.632	.512
<b>10"</b>	10.750	Weight per ft	15.61	13.09	10.87	8.78	7.20
		NOM. I.D.	8.219	8.679	9.062	9.410	9.665
		MIN WALL	1.417	1.159	.944	.750	.607
<b>12"</b>	12.750	Weight per ft	21.97	18.41	15.29	12.36	10.13
		NOM. I.D.	9.746	10.293	10.749	11.160	11.46
		MIN WALL	1.556	1.273	1.037	.824	.667
<b>14"</b>	14	Weight per ft	26.50	22.20	18.44	14.91	12.22
		NOM. I.D.	10.701	11.301	11.802	12.253	12.586
		MIN WALL	1.778	1.455	1.185	.941	.762
<b>16"</b>	16	Weight per ft	34.60	29.01	24.09	19.46	15.96
		NOM. I.D.	12.231	12.915	13.488	14.005	14.385
		MIN WALL	2.000	1.636	1.333	1.059	.857
<b>18"</b>	18	Weight per ft	43.79	36.68	30.48	24.64	20.20
		NOM. I.D.	13.76	14.532	15.174	15.755	16.183
		MIN WALL	2.222	1.818	1.481	1.176	.952
<b>20"</b>	20	Weight per ft	54.06	45.30	37.63	30.40	24.92
		NOM. I.D.	15.289	16.146	16.86	17.507	17.982
		MIN WALL	2.444	2.000	1.630	1.294	1.048
<b>22"</b>	22	Weight per ft	65.40	54.82	45.56	36.80	30.18
		NOM. I.D.	16.819	17.76	18.544	19.257	19.778
		MIN WALL	2.667	2.182	1.778	1.412	1.143
<b>24"</b>	24	Weight per ft	77.85	65.24	54.21	43.80	35.91
		NOM. I.D.	18.346	19.374	20.231	21.007	21.577

\*Some pipe sizes listed may not yet be available, please check with Charter Plastics.

\* List price subject to change without notice.

Weight Calculations based on PPI TR7

PE 3408/3608 Resins listed in PPI TR4

1600 psi Hydrostatic Design Basis / 800 psi Hydrostatic Design Stress

Pressure ratings based on a design factor of .5 for those products listed above. Contact Charter Plastics if other fluids will be conveyed.

Pressure Rating are maximum PSI @ 73.4°F. If temperatures exceed 80°F, contact Charter Plastics for a working pressure de-rating factor

½" – 3" Pipe: ASTM D 3035      4" – 24" Pipe: ASTM D 714

Safe Handling – To safely handle and store Polyethylene Pipe, refer to PPI's "Material Handling Guide