

# High Density Polyethylene (HDPE) Pipe Chart

## PE4710 - Iron Pipe Size (IPS)



IPS OD	SDR Pressure	7 335 psi	9 250 psi	11 200 psi	13.5 160 psi	17 125 psi	21 100 psi
<b>2</b> 2.375	Wall (minimum)	0.339	0.264	0.216	0.176	0.140	--
	ID (Average)	1.656	1.816	1.917	2.002	2.079	--
	Weight (lbs./ft.)	0.939	0.758	0.634	0.526	0.425	--
<b>3</b> 3.500	Wall (minimum)	0.500	0.389	0.318	0.259	0.206	0.167
	ID (Average)	2.440	2.676	2.825	2.950	3.064	3.147
	Weight (lbs./ft.)	2.040	1.646	1.376	1.141	0.923	0.757
<b>4</b> 4.500	Wall (minimum)	0.643	0.500	0.409	0.333	0.265	0.214
	ID (Average)	3.137	3.440	3.633	3.793	3.939	4.046
	Weight (lbs./ft.)	3.372	2.720	2.275	1.887	1.526	1.247
<b>6</b> 6.625	Wall (minimum)	0.946	0.736	0.602	0.491	0.390	0.315
	ID (Average)	4.619	5.064	5.348	5.585	5.799	5.956
	Weight (lbs./ft.)	7.305	5.894	4.930	4.095	3.307	2.703
<b>8</b> 8.625	Wall (minimum)	1.232	0.958	0.784	0.639	0.507	0.411
	ID (Average)	6.013	6.593	6.963	7.271	7.549	7.754
	Weight (lbs./ft.)	12.385	9.988	8.359	6.939	5.597	4.591
<b>10</b> 10.750	Wall (minimum)	1.536	1.194	0.977	0.796	0.632	0.512
	ID (Average)	7.494	8.218	8.678	9.062	9.409	9.665
	Weight (lbs./ft.)	19.245	15.515	12.983	10.774	8.695	7.128
<b>12</b> 12.750	Wall (minimum)	1.821	1.417	1.159	0.944	0.750	0.607
	ID (Average)	8.889	9.747	10.293	10.748	11.160	11.463
	Weight (lbs./ft.)	27.062	21.837	18.267	15.155	12.238	10.023
<b>14</b> 14.000	Wall (minimum)	2.000	1.556	1.273	1.037	0.824	0.667
	ID (Average)	9.760	10.702	11.302	11.801	12.254	12.587
	Weight (lbs./ft.)	32.635	26.329	22.030	18.279	14.763	12.093
<b>16</b> 16.000	Wall (minimum)	2.286	1.778	1.455	1.185	0.941	0.762
	ID (Average)	11.154	12.231	12.916	13.487	14.005	14.385
	Weight (lbs./ft.)	42.629	34.384	28.777	23.872	19.269	15.789
<b>18</b> 18.000	Wall (minimum)	2.571	2.000	1.636	1.333	1.059	0.857
	ID (Average)	12.549	13.760	14.531	15.173	15.755	16.183
	Weight (lbs./ft.)	53.940	43.513	36.403	30.210	24.395	19.977
<b>20</b> 20.000	Wall (minimum)	2.857	2.222	1.818	1.481	1.176	0.952
	ID (Average)	13.943	15.289	16.145	16.859	17.506	17.981
	Weight (lbs./ft.)	66.599	53.715	44.947	37.294	30.102	24.658
<b>24</b> 24.000	Wall (minimum)	3.429	2.667	2.182	1.778	1.412	1.143
	ID (Average)	16.731	18.347	19.375	20.231	21.007	21.577
	Weight (lbs./ft.)	95.916	77.365	64.735	53.726	43.369	35.525
<b>30</b> 30.000	Wall (minimum)	--	3.333	2.727	2.222	1.765	1.429
	ID (Average)	--	22.933	24.218	25.289	26.259	26.971
	Weight (lbs./ft.)	--	123.183	103.076	85.543	69.068	56.585
<b>32</b> 32.000	Wall (minimum)	--	3.556	2.909	2.370	1.882	1.524
	ID (Average)	--	24.462	25.833	26.975	28.009	28.770
	Weight (lbs./ft.)	--	140.183	117.285	97.324	78.557	64.370
<b>36</b> 36.000	Wall (minimum)	--	4.000	3.273	2.667	2.118	1.714
	ID (Average)	--	27.520	29.062	30.347	31.511	32.366
	Weight (lbs./ft.)	--	177.399	148.454	123.208	99.457	81.446
<b>48</b> 48.000	Wall (minimum)	--	--	--	3.556	2.824	2.286
	ID (Average)	--	--	--	40.461	42.014	43.154
	Weight (lbs./ft.)	--	--	--	219.036	176.813	144.833

Gajeske, Inc. - 2020

All dimensions are shown in inches.

Chart is condensed to display common sizes and SDRs. Additional sizes and SDRs are available. DIPS dimensions provided on separate chart.

Pressure ratings shown are applicable to aqueous solutions including up to 2% hydrocarbons at 80°F.

Gajeske HDPE may confirm to these standards: ASTM F714, F2619, D2513, D3350, API 15LE, AWWA C906, AWWA C901, ASTM D3035