



WL PLASTICS
An INEOS Business

WL102 IPS Pipe Sizes & Pressure Class



Multi-application use

The ideal piping solution

WL102 IPS Pipe Sizes & Pressure Class

Contact WL Plastics customer service to confirm the availability of sizes shown, and for PCs and DRs not shown.
See table footnotes for additional information.

PE4710/ PE100		PC ^B , psi	335	320	250	200	160	140	125	100	80	65
IPS size ^A	Avg. OD (in)	DR	7	7.3	9	11	13.5	15.5	17	21	26	32.5
3/4	1.050	Min wall, in	0.150	0.144	0.117	0.095						
		Avg ID ^C , in	0.732	0.745	0.803	0.848						
		Weight, lb/ft	0.187	0.177	0.148	0.124						
1	1.315	Min wall, in	0.188	0.180	0.146	0.120						
		Avg ID ^C , in	0.917	0.933	1.005	1.062						
		Weight, lb/ft	0.288	0.278	0.232	0.195						
1 1/4	1.660	Min wall, in	0.237	0.227	0.184	0.151	0.123					
		Avg ID ^C , in	1.157	1.178	1.269	1.340	1.399					
		Weight, lb/ft	0.459	0.442	0.369	0.310	0.257					
1 1/2	1.900	Min wall, in	0.271	0.260	0.211	0.173	0.141					
		Avg ID ^C , in	1.325	1.348	1.452	1.534	1.602					
		Weight, lb/ft	0.600	0.580	0.485	0.406	0.337					
2	2.375	Min wall, in	0.339	0.325	0.264	0.216	0.176	0.153	0.140			
		Avg ID ^C , in	1.656	1.685	1.816	1.917	2.002	2.050	2.079			
		Weight, lb/ft	0.939	0.906	0.758	0.634	0.526	0.462	0.425			
3	3.500	Min wall, in	0.500	0.479	0.389	0.318	0.259	0.226	0.206	0.167		
		Avg ID ^C , in	2.440	2.484	2.676	2.825	2.950	3.021	3.064	3.147		
		Weight, lb/ft	2.040	1.968	1.646	1.376	1.141	1.006	0.923	0.757		
4	4.500	Min wall, in	0.643	0.616	0.500	0.409	0.333	0.290	0.265	0.214	0.173	0.138
		Avg ID ^C , in	3.137	3.193	3.440	3.633	3.793	3.885	3.939	4.046	4.133	4.206
		Weight, lb/ft	3.372	3.253	2.720	2.275	1.887	1.660	1.526	1.247	1.018	0.819
6	6.625	Min wall, in	0.946	0.908	0.736	0.602	0.491	0.427	0.390	0.315	0.255	0.204
		Avg ID ^C , in	4.619	4.701	5.064	5.348	5.585	5.719	5.799	5.956	6.085	6.193
		Weight, lb/ft	7.305	7.059	5.894	4.930	4.095	3.599	3.307	2.703	2.209	1.781
8	8.625	Min wall, in	1.232	1.182	0.958	0.784	0.639	0.556	0.507	0.411	0.332	0.265
		Avg ID ^C , in	6.013	6.120	6.593	6.963	7.271	7.445	7.549	7.754	7.922	8.062
		Weight, lb/ft	12.385	11.963	9.988	8.359	6.939	6.100	5.597	4.591	3.744	3.012
10	10.750	Min wall, in	1.536	1.473	1.194	0.977	0.796	0.694	0.632	0.512	0.413	0.331
		Avg ID ^C , in	7.494	7.628	8.218	8.678	9.062	9.280	9.409	9.665	9.873	10.049
		Weight, lb/ft	19.245	18.581	15.515	12.983	10.774	9.490	8.695	7.128	5.805	4.689
12	12.750	Min wall, in	1.821	1.747	1.417	1.159	0.944	0.823	0.750	0.607	0.490	0.392
		Avg ID ^C , in	8.889	9.047	9.747	10.293	10.748	11.006	11.160	11.463	11.710	11.918
		Weight, lb/ft	27.062	26.138	21.837	18.267	15.155	13.348	12.238	10.023	8.169	6.587
14	14.000	Min wall, in	2.000	1.918	1.556	1.273	1.037	0.903	0.824	0.667	0.538	0.431
		Avg ID ^C , in	9.760	9.934	10.702	11.302	11.801	12.085	12.254	12.587	12.858	13.087
		Weight, lb/ft	32.635	31.511	26.329	22.030	18.279	16.082	14.763	12.093	9.848	7.952
16	16.000	Min wall, in	2.286	2.192	1.778	1.455	1.185	1.032	0.941	0.762	0.615	0.492
		Avg ID ^C , in	11.154	11.353	12.231	12.916	13.487	13.812	14.005	14.385	14.695	14.956
		Weight, lb/ft	42.629	41.157	34.384	28.777	23.872	21.005	19.269	15.789	12.866	10.375
18	18	Min wall, in	2.571	2.466	2	1.636	1.333	1.161	1.059	0.857	0.692	0.554
		Avg ID ^C , in	12.549	12.773	13.76	14.531	15.173	15.538	15.755	16.183	16.532	16.826
		Weight, lb/ft	53.94	52.089	43.513	36.403	30.21	26.584	24.395	19.977	16.286	13.142

PE4710/ PE100		PC ^B , psi	335	320	250	200	160	140	125	100	80	65
IPS size ^A	Avg. OD (in)	DR	7	7.3	9	11	13.5	15.5	17	21	26	32.5
20	20	Min wall, in	2.857	2.74	2.222	1.818	1.481	1.29	1.176	0.952	0.769	0.615
		Avg ID ^C , in	13.943	14.192	15.289	16.145	16.859	17.265	17.506	17.981	18.369	18.695
		Weight, lb/ft	66.599	64.307	53.715	44.947	37.294	32.82	30.102	24.658	20.109	16.211
22	22	Min wall, in	3.143	3.014	2.444	2	1.63	1.419	1.294	1.048	0.846	0.677
		Avg ID ^C , in	15.337	15.611	16.818	17.76	18.545	18.991	19.256	19.779	20.206	20.565
		Weight, lb/ft	80.591	77.812	64.991	54.391	45.149	39.712	36.433	29.858	24.335	19.629
24	24	Min wall, in	3.429	3.288	2.667	2.182	1.778	1.548	1.412	1.143	0.923	0.738
		Avg ID ^C , in	16.731	17.03	18.347	19.375	20.231	20.717	21.007	21.577	22.043	22.434
		Weight, lb/ft	95.916	92.603	77.365	64.735	53.726	47.26	43.369	35.525	28.963	23.344
26	26	Min wall, in	3.714	3.562	2.889	2.364	1.926	1.677	1.529	1.238	1	0.8
		Avg ID ^C , in	18.126	18.449	19.876	20.989	21.917	22.444	22.758	23.375	23.88	24.304
		Weight, lb/ft	114.714	110.769	92.535	77.44	64.261	56.532	51.856	42.486	34.648	27.94
28	28	Min wall, in	4.000	3.836	3.111	2.545	2.074	1.806	1.647	1.333	1.077	0.862
		Avg ID ^C , in	19.520	19.868	21.404	22.604	23.603	24.17	24.508	25.173	25.717	26.174
		Weight, lb/ft	133.49	128.466	107.312	89.785	74.522	65.563	60.154	49.266	40.187	32.421
30	30	Min wall, in			3.333	2.727	2.222	1.935	1.765	1.429	1.154	0.923
		Avg ID ^C , in			22.933	24.218	25.289	25.897	26.259	26.971	27.554	28.043
		Weight, lb/ft			123.183	103.076	85.543	75.264	69.068	56.585	46.135	37.196
32	32	Min wall, in			3.556	2.909	2.37	2.065	1.882	1.524	1.231	0.985
		Avg ID ^C , in			24.462	25.833	26.975	27.623	28.009	28.77	29.391	29.913
		Weight, lb/ft			140.183	117.285	97.324	85.672	78.557	64.37	52.494	42.34
34	34	Min wall, in			3.778	3.091	2.519	2.194	2	1.619	1.308	1.046
		Avg ID ^C , in			25.991	27.447	28.661	29.35	29.76	30.568	31.228	31.782
		Weight, lb/ft			158.244	132.411	109.905	96.714	88.7	72.657	59.264	47.773
36	36	Min wall, in			4.000	3.273	2.667	2.323	2.118	1.714	1.385	1.108
		Avg ID ^C , in			27.52	29.062	30.347	31.076	31.511	32.366	33.065	33.652
		Weight, lb/ft			177.399	148.454	123.208	108.424	99.457	81.446	66.444	53.581
42	42	Min wall, in				3.818	3.111	2.71	2.471	2	1.615	1.292
		Avg ID ^C , in				33.906	35.404	36.255	36.762	37.76	38.575	39.26
		Weight, lb/ft				202.039	167.675	147.568	135.372	110.874	90.393	72.893
48	48	Min wall, in					3.556	3.097	2.824	2.286	1.846	1.477
		Avg ID ^C , in				40.461	41.435	42.014	43.154	44.086	44.869	
		Weight, lb/ft				219.036	192.774	176.813	144.833	118.082	95.233	
54	54	Min wall, in						3.484	3.176	2.571	2.077	1.662
		Avg ID ^C , in						46.614	47.266	48.549	49.597	50.478
		Weight, lb/ft						243.921	223.713	183.253	149.464	120.556

Contact WL Plastics plant customer service to confirm availability and for sizes and DRs not shown.

- A. Sizes per ASTM D3035 and ASTM F714. See WL116 Pipe Standards.
- B. See WL130 for FM Sizes and Ratings. Pressure class (PC) for water at 73°F. Ratings will vary for other fluids and temperatures. See WL118 Pressure Rating for more information.
- C. Calculated Avg ID = Avg OD – (2.12 x min wall), and is for estimating fluid flow. Pipe ID is approximate, not a specification dimension.
- D. All dimensions in inches.
- E. NSF-61 Certification for potable water service available upon request.
- F. See WL101 for fusion, mechanical and electrofusion joining information.
- G. The information in this publication does not constitute a guarantee or warranty for piping installations and cannot be guaranteed because the conditions of use are beyond WL Plastics control. See WL125 Terms and Conditions of Sale.

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WL PLASTICS

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Manufacturing locations

- Bowie, TX
- Casper, WY
- Cedar City, UT
- Elizabethtown, KY
- Lubbock, TX (HDPE)
- Lubbock, TX (MDPE)
- Rapid City, SD
- Snyder, TX
- Statesboro, GA
- Titusville, PA (HDPE/MDPE)

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