

IS : 4427

Wall thickness & Weight Chart of Pipes for Material Grade PE-100

DN	Tolerance	Ovality	PN - 6					PN - 8					PN - 10					PN - 12.5				PN - 16					
			Thickness		Weight / Mtr.			Thickness		Weight / Mtr.			Thickness		Weight / Mtr.			Thickness		Weight / Mtr.		Thickness		Weight / Mtr.			
			Min	Max	Min	Max		Min	Max	Min	Max		Min	Max	Min	Max		Min	Max	Min	Max	Min	Max	Min	Max		
20	0.3	1.2																									
25	0.3	1.2																	2.3	2.8	0.155	0.185	2.9	3.4	0.190	0.218	0.132
32	0.3	1.3																	2.9	3.4	0.251	0.289	3.7	4.3	0.311	0.354	0.204
40	0.4	1.4																	4.6	5.3	0.399	0.456	4.6	5.3	0.484	0.546	0.332
50	0.5	1.4	2.3	2.8	0.326	0.393	0.359	2.4	2.9	0.268	0.320	0.294	2.4	2.9	0.211	0.251	0.231	2.9	3.4	0.251	0.289	4.6	5.3	0.484	0.546	0.515	
63	0.6	1.5	2.9	3.4	0.518	0.602	0.560	3.0	3.5	0.419	0.483	0.451	3.0	3.5	0.330	0.379	0.355	4.6	5.3	0.620	0.704	5.7	6.5	0.750	0.840	0.795	
75	0.7	1.6	3.5	4.1	0.743	0.863	0.803	3.8	4.4	0.668	0.766	0.717	4.7	5.4	0.814	0.924	0.869	5.7	6.5	0.970	1.091	7.1	8.1	1.179	1.321	1.250	
90	0.9	1.8	4.1	4.8	1.046	1.215	1.130	4.5	5.2	0.942	1.078	1.010	5.6	6.4	1.154	1.304	1.229	6.8	7.7	1.378	1.539	8.5	9.6	1.679	1.865	1.772	
110	1.0	2.2	5.0	5.7	1.559	1.766	1.663	5.4	6.2	1.357	1.543	1.450	6.7	7.6	1.658	1.860	1.759	8.2	9.3	1.992	2.229	10.2	11.5	2.418	2.682	2.550	
125	1.2	2.5	5.7	6.5	2.020	2.288	2.154	6.6	7.5	2.027	2.284	2.155	8.1	9.2	2.452	2.755	2.603	10.0	11.2	2.970	3.287	12.4	13.9	3.595	3.968	3.781	
140	1.3	2.8	6.4	7.3	2.540	2.877	2.709	7.5	8.5	2.618	2.941	2.780	9.2	10.4	3.165	3.540	3.352	11.3	12.7	3.816	4.236	14.1	15.8	4.645	5.125	4.885	
160	1.5	3.2	7.3	8.3	3.311	3.740	3.526	8.4	9.5	3.284	3.683	3.483	10.3	11.6	3.968	4.424	4.196	12.7	14.2	4.802	5.306	15.8	17.6	5.829	6.399	6.114	
180	1.7	3.6	8.2	9.3	4.185	4.716	4.450	9.6	10.8	4.289	4.786	4.538	11.8	13.2	5.195	5.756	5.475	14.5	16.2	6.267	6.920	18.1	20.2	7.629	8.388	8.009	
200	1.8	4.0	9.1	10.3	5.160	5.804	5.482	10.8	12.1	5.428	6.035	5.731	13.3	14.9	6.586	7.307	6.947	16.3	18.2	7.926	8.747	20.3	22.6	9.630	10.567	10.098	
225	2.1	4.5	10.3	11.6	6.569	7.353	6.961	12.0	13.4	6.701	7.427	7.064	14.8	16.5	8.142	8.994	8.568	18.1	20.2	9.780	10.789	22.6	25.1	11.909	13.040	12.475	
250	2.3	5.0	11.4	12.8	8.080	9.019	8.549	13.5	15.1	8.481	9.415	8.948	16.6	18.5	10.276	11.348	10.812	20.4	22.7	12.398	13.641	25.4	28.2	15.060	16.485	15.772	
280	2.6	9.8	12.8	14.3	10.159	11.286	10.723	15.0	16.7	10.471	11.573	11.022	18.4	20.5	12.658	13.975	13.317	22.6	25.1	15.266	16.768	28.2	31.3	18.579	20.334	19.456	
315	2.9	11.1	14.4	16.1	12.858	14.295	13.576	16.8	18.7	13.135	14.514	13.825	20.6	22.9	15.873	17.489	16.681	25.3	28.1	19.141	21.026	31.6	35.0	23.316	25.472	24.394	
355	3.2	12.5	16.2	18.1	16.303	18.113	17.208	18.9	21.0	16.623	18.339	17.481	23.2	25.8	20.109	22.164	21.136	28.5	31.6	24.254	26.602	35.5	39.3	29.473	32.185	30.829	
400	3.6	14.0	18.2	21.2	20.641	23.854	22.248	21.2	23.6	21.020	23.232	22.126	26.2	29.1	25.589	28.171	26.880	32.1	35.6	30.789	33.776	40.0	44.2	37.428	40.806	39.117	
450	4.1	15.6	20.5	23.8	26.154	30.131	28.142	23.9	27.7	26.701	30.633	28.667	29.5	34.2	32.466	37.161	34.814	36.2	41.9	39.119	44.570	45.1	52.1	47.545	53.841	50.693	
500	4.5	17.5	22.8	26.5	32.319	37.272	34.796	26.9	31.2	33.808	38.813		33.1	38.3	40.990	46.838	43.914	40.7	47.1	49.483	56.369	50.8	58.7	60.239	68.229	64.234	
560	5.0	19.6	25.5	29.6	40.486	46.635	43.561	29.9	34.6	41.752	47.833		36.8	42.6	50.633	57.880	54.257	45.2	52.2	61.063	69.435	56.4	65.1	74.318	84.099	79.208	
630	5.7	22.1	28.7	33.3	51.262	59.023	55.142	33.5	38.8	52.392	60.070		41.2	47.6	63.492	72.450	67.971	50.6	58.4	76.565	87.014						
710	6.4	24.9	32.3	37.4	65.022	74.722	69.872	37.7	43.6	66.329	75.945		46.4	53.6	80.437	91.772	86.104	56.9	65.7	96.864	110.128						
800	7.2	28.0	36.4	42.1	82.563	94.780	88.672	42.4	49.0	84.082	96.210		52.3	60.4	102.176	116.548	109.362										
900	8.1	31.5	41.0	47.4	104.616	120.045	112.331	47.8	55.2	106.803	122.124		58.9	68.0	129.662	147.857	138.759										
1000	9.0	35.0	45.5	52.6	129.005	148.027	138.516	53.8	62.1	135.231	154.563																