

IS : 4427

Wall thickness & Weight Chart of Pipes for Material Grade PE-80

DN	Tolerance	Ovality	PN - 2.5				PN - 4				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.		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	Min	Max	Min	Max	Min	Max	Min	Max	
20	0.3	1.2																													
25	0.3	1.2																													
32	0.3	1.3																													
40	0.4	1.4																													
50	0.5	1.4																													
63	0.6	1.5																													
75	0.7	1.6																													
90	0.9	1.8																													
110	1.0	2.2	2.3	2.8	0.601	0.728	3.5	4.1	0.902	1.049	5.1	5.9	1.290	1.479	8.2	9.3	1.999	2.236	10.0	11.2	2.384	2.630	12.5	14.0	2.887	3.171	15.2	17.0	2.887	3.171	
125	1.2	2.5	2.7	3.2	0.863	1.018	4.3	5	1.354	1.564	6.3	7.2	1.947	2.206	10.0	11.2	2.980	3.297	12.5	13.8	3.581	3.956	15.2	17.0	4.294	4.711	17.3	19.3	5.552	6.079	
140	1.3	2.8	3.1	3.7	1.126	1.337	4.9	5.6	1.754	1.992	7.1	8.1	2.494	2.822	11.4	12.8	3.859	4.280	13.9	15.5	4.602	5.058	17.3	19.3	5.552	6.079	19.4	21.6	6.972	7.621	
160	1.5	3.2	3.5	4.1	1.424	1.660	5.4	6.2	2.166	2.472	8.0	9.0	3.147	3.513	12.8	14.3	4.852	5.356	15.6	17.4	5.783	6.357	19.4	21.6	6.972	7.621	22.1	24.6	9.081	9.925	
180	1.7	3.6	4.0	4.6	1.859	2.130	6.2	7.1	2.841	3.235	9.1	10.3	4.092	4.595	14.6	16.3	6.326	6.980	17.8	19.8	7.543	8.272	22.1	24.6	9.081	9.925	24.9	27.6	11.508	12.534	
200	1.8	4.0	4.4	5.1	2.302	2.658	7	7.9	3.609	4.051	10.2	11.5	5.161	5.774	16.4	18.3	7.995	8.818	20.0	22.2	9.536	10.439	24.9	27.6	11.508	12.534	27.6	30.6	14.179	15.447	
225	2.1	4.5	4.9	5.6	2.849	3.244	7.7	8.7	4.412	4.959	11.4	12.8	6.407	7.140	18.2	20.3	9.860	10.870	22.3	24.8	11.808	12.947	27.6	30.6	14.179	15.447	31.1	34.5	17.969	19.584	
250	2.3	5.0	5.5	6.3	3.597	4.106	8.7	9.8	5.608	6.284	12.8	14.3	8.094	8.978	20.5	22.8	12.492	13.738	25.0	27.7	14.899	16.286	31.1	34.5	17.969	19.584	34.5	38.2	22.155	24.109	
280	2.6	5.8	6.1	7.0	4.433	5.069	9.7	10.9	6.946	7.766	14.2	15.9	9.978	11.092	22.8	25.3	15.436	16.940	27.8	30.8	18.407	20.118	34.5	38.2	22.155	24.109	38.7	42.8	27.827	30.252	
315	2.9	6.5	6.9	7.8	5.615	6.327	10.8	12.1	8.664	9.659	15.9	17.7	12.513	13.835	25.5	28.3	19.339	21.226	31.2	34.6	23.131	25.302	38.7	42.8	27.827	30.252	43.5	48.1	35.193	38.255	
355	3.2	7.2	7.7	8.7	7.051	7.941	12.2	13.7	11.008	12.300	17.9	19.9	15.847	17.499	28.7	31.8	24.485	26.836	35.0	38.7	29.203	31.863	43.5	48.1	35.193	38.255	49.0	54.1	44.680	48.508	
400	3.6	8.0	8.7	9.8	8.978	10.081	13.7	15.3	13.933	15.488	20.1	22.4	20.059	22.201	32.3	35.8	31.060	34.052	39.5	43.7	37.136	40.537	49.0	54.1	44.680	48.508	55.2	63.7	56.716	63.835	
450	4.1	9.0	9.8	11.5	11.395	13.313	15.4	18	17.649	20.490	22.7	26.4	25.522	29.390	36.4	42.1	39.439	44.899	44.5	51.4	47.141	53.393	55.2	63.7	56.716	63.835	63.524				
500	4.5	10.0	11.0	12.9	14.390	16.802	17.4	20.3	22.430	25.993	25.5	29.6	32.256	37.081	41.0	47.4	49.969	56.865	50.0	57.7	59.597	67.451	63.524								
560	5.0	11.0	12.2	14.3	17.734	20.697	19.3	22.4	27.646	31.879	28.4	32.9	39.911	45.793	45.5	52.6	61.623	70.126	55.6	64.2	73.628	83.372	78.500								
630	5.7	12.0	21.6	25.1	22.302	25.937	21.6	25.1	34.654	40.008	31.7	36.7	49.904	57.229	51.0	58.9	77.354	87.950	55.6	64.2	73.628	83.372	78.500								
710	6.4	13.0	15.4	18.0	28.204	32.826	24.3	28.2	43.859	50.570	35.7	41.3	63.222	72.450	57.3	66.1	97.786	111.071	46.7	54.0	81.172	92.686	104.428								
800	7.2	14.0	27.4	31.8	35.911	41.721	27.4	31.8	55.733	64.266	40.2	46.5	80.236	91.937																	
900	8.1	15.0	30.8	35.7	45.579	52.804	30.8	35.7	70.597	81.307	45.3	52.3	101.875	116.527																	
1000	9.0	16.0	34.7	40.2	57.559	66.450	34.7	40.2	89.473	102.996	51.0	58.9	129.025	147.625																	
			24.4	28.3	70.934	81.943	38.5	44.5	110.308	126.703	56.7	65.5	159.378	182.396																	