

TABLAS DE PESOS TUBERÍA DE POLIETILENO

ALTA DENSIDAD (HDPE/PEAD)



CALPLAST
ESPECIALISTA EN TUBERÍA DE POLIETILENO

PESOS POR METRO DE TUBERÍA DE POLIETILENO DE ALTA DENSIDAD (HDPE/PEAD)

Diámetro Nominal pulgadas	Diámetro Nominal milímetros	PN 3.2	PN 4	PN 5	PN 6	PN 8	PN 10	PN 12.5	PN 16	PN 20	PN 25
		46 PSI	58 PSI	72 PSI	87 PSI	116 PSI	145 PSI	181 PSI	232 PSI	290 PSI	362 PSI
Peso nominal en kilogramos por metro											
	16						0.053	0.065	0.084	0.094	0.116
	20						0.083	0.107	0.121	0.152	0.168
3/4	25						0.137	0.156	0.197	0.225	0.261
1	32					0.179	0.212	0.260	0.305	0.362	0.429
1 ¼	40				0.227	0.269	0.331	0.401	0.477	0.566	0.666
1 ½	50			0.287	0.341	0.421	0.511	0.623	0.742	0.888	1.033
2	63			0.451	0.537	0.671	0.818	0.990	1.185	1.396	1.645
2 ½	75			0.624	0.767	0.947	1.160	1.384	1.670	1.989	2.332
3	90			0.904	1.100	1.363	1.666	2.002	2.408	2.852	3.358
4	110			1.326	1.656	2.037	2.463	2.985	3.587	4.277	5.008
5	125			1.722	2.131	2.597	3.180	3.865	4.638	5.507	6.469
5 ½	140			2.169	2.666	3.262	3.987	4.825	5.824	6.922	8.115
6	160			2.846	3.500	4.267	5.219	6.336	7.591	9.026	10.590
7	180			3.565	4.399	5.406	6.617	8.008	9.592	11.409	13.394
8	200			4.419	5.455	6.681	8.130	9.875	11.873	14.115	16.528
9	225			5.554	6.904	8.462	10.325	12.512	15.027	17.851	20.940
10	250			6.888	8.456	10.389	12.718	15.399	18.494	22.027	25.824
11	280			8.600	10.662	13.050	15.948	19.300	23.232	27.628	32.405
12	315	7.062	8.838	10.939	13.430	16.537	20.204	24.446	29.394	34.975	41.005
14	355	8.992	11.194	13.857	17.053	21.027	25.620	31.022	37.358	44.366	52.122
16	400	11.413	14.232	17.567	21.713	26.617	32.518	39.403	47.400	56.371	
18	450	14.412	17.965	22.217	27.496	33.731	41.185	49.938	60.004	71.308	
20	500	17.903	22.133	27.413	33.960	41.688	50.873	61.597	73.975		
22	560	22.337	27.864	34.400	42.497	52.199	63.793	77.202	92.800		
24	630	28.248	35.177	43.581	53.721	66.147	80.658	97.785	117.432		
28	710	35.967	44.776	55.429	68.405	83.920	102.480	124.260	149.269		

Los valores que no figuran en la tabla pueden desarrollarse para pedidos especiales.

PN: Presión Nominal, se basa en C = 1.25; corresponde a la máxima presión de operación admisible, en bar, a 20 °C. Los valores actuales calculados son 6.3 bar para PE80.

PESOS POR METRO DE TUBERÍA DE POLIETILENO DE ALTA DENSIDAD (HDPE/PEAD)

Diámetro Nominal pulgadas	Diámetro Nominal milímetros	PN 4	PN 5	PN 6	PN 8	PN 10	PN 12.5	PN 16	PN 20	PN 25
		58 PSI	72 PSI	87 PSI	116 PSI	145 PSI	181 PSI	232 PSI	290 PSI	362 PSI
Peso nominal en kilogramos por metro										
	16								0.084	0.094
	20							0.107	0.121	0.152
3/4	25						0.137	0.156	0.197	0.225
1	32					0.179	0.212	0.260	0.305	0.362
1 ¼	40				0.227	0.269	0.331	0.401	0.477	0.566
1 ½	50			0.287	0.341	0.421	0.511	0.623	0.742	0.888
2	63			0.451	0.537	0.671	0.818	0.990	1.185	1.396
2 ½	75			0.624	0.767	0.947	1.160	1.384	1.670	1.989
3	90			0.904	1.100	1.363	1.666	2.002	2.408	2.852
4	110			1.326	1.656	2.037	2.463	2.985	3.587	4.277
5	125			1.722	2.131	2.597	3.180	3.865	4.638	5.507
5 ½	140			2.169	2.666	3.262	3.987	4.825	5.824	6.922
6	160			2.846	3.500	4.267	5.219	6.336	7.591	9.026
7	180			3.565	4.399	5.406	6.617	8.008	9.592	11.409
8	200			4.419	5.455	6.681	8.130	9.875	11.873	14.115
9	225			5.554	6.904	8.462	10.325	12.512	15.027	17.851
10	250			6.888	8.456	10.389	12.718	15.399	18.494	22.027
11	280			8.600	10.662	13.050	15.948	19.300	23.232	27.628
12	315	7.062	8.838	10.939	13.430	16.537	20.204	24.446	29.394	34.975
14	355	8.992	11.194	13.857	17.053	21.027	25.620	31.022	37.358	44.366
16	400	11.413	14.232	17.567	21.713	26.617	32.518	39.403	47.400	56.371
18	450	14.412	17.965	22.217	27.496	33.731	41.185	49.938	60.004	71.308
20	500	17.903	22.133	27.413	33.960	41.688	50.873	61.597	73.975	
22	560	22.337	27.864	34.400	42.497	52.199	63.793	77.202	92.800	
24	630	28.248	35.177	43.581	53.721	66.147	80.658	97.785	117.432	
28	710	35.967	44.776	55.429	68.405	83.920	102.480	124.260	149.269	

Los valores que no figuran en la tabla pueden desarrollarse para pedidos especiales.

PN: Presión Nominal, se basa en C = 1.25; corresponde a la máxima presión de operación admisible, en bar, a 20 °C. Los valores actuales calculados son 6.3 bar para PE100.

PESOS POR METRO DE TUBERÍA DE POLIETILENO DE ALTA DENSIDAD (HDPE/PEAD)

DN pulgadas	DN milímetros	SDR 7.3	SDR 8.3	SDR 9	SDR 9.3	SDR 11	SDR 13.5	SDR 15.5	SDR 17	SDR 21	SDR 26	SDR 32.5	SDR 41
		254 PSI	220 PSI	200 PSI	193 PSI	160 PSI	130 PSI	110 PSI	100 PSI	80 PSI	65 PSI	50 PSI	40 PSI
Peso nominal en kilogramos por metro													
3	88.9	2.792	2.506	2.335	2.266	1.952	1.620	1.428	1.309	1.074	0.877	0.707	0.560
4	114.3	4.617	4.139	3.859	3.751	3.229	2.677	2.356	2.165	1.770	1.444	1.162	0.932
5	136.5	6.587	5.909	5.503	5.349	4.609	3.821	3.366	3.084	2.528	2.064	1.658	1.325
5½	141.3	7.059	6.326	5.897	5.729	4.937	4.095	3.605	3.304	2.709	2.209	1.779	1.424
6	168.3	10.018	8.974	8.365	8.125	6.997	5.812	5.107	4.693	3.836	3.135	2.528	2.021
7	181.0	11.582	10.377	9.680	9.400	8.100	6.722	5.917	5.435	4.452	3.623	2.919	2.334
8	219.1	16.978	15.210	14.174	13.771	11.863	9.848	8.658	7.943	6.515	5.313	4.275	3.410
10	273.1	26.373	23.631	22.020	21.404	18.427	15.292	13.469	12.341	10.116	8.239	6.656	5.303
12	323.8	37.084	33.230	30.981	30.097	25.917	21.501	18.937	17.363	14.220	11.590	9.346	7.440
13	339.7	40.800	36.565	34.087	33.119	28.527	23.679	20.833	19.114	15.655	12.754	10.304	8.208
14	355.6	44.714	40.081	37.362	36.285	31.261	25.938	22.820	20.949	17.160	13.975	11.284	8.987
16	406.4	58.402	52.350	48.792	47.393	40.835	33.875	29.806	27.343	22.405	18.257	14.722	11.747
18	457.2	73.915	66.256	61.745	59.981	51.657	42.869	37.723	34.617	28.348	23.110	18.649	14.875
20	508.0	91.253	81.768	76.222	74.081	63.781	52.921	46.571	42.714	34.990	28.535	23.004	18.373
21 ½	546.1						61.189	53.828	49.391	40.458	32.989	26.618	21.208
22	558.8			92.222	89.635	77.182	64.067	56.351	51.699	42.368	34.532	27.854	22.239
24	609.6			109.782	106.670	91.860	76.238	67.063	61.541	50.410	41.099	33.125	26.430
26	660.4				125.186	107.814	89.466	78.706	72.196	59.151	48.239	38.900	31.031
28	711.2				145.183	125.002	103.753	91.280	83.749	68.590	55.949	45.138	36.001

Los valores que no figuran en la tabla pueden desarrollarse para pedidos especiales.

DN: Diámetro exterior nominal.

PE3608: Hace referencia a la Nota 2 de ASTM F714-10 Pag.1 y a los cambios en la especificación ASTM D3350 y PPI TR-3.

PESOS POR METRO DE TUBERÍA DE POLIETILENO DE ALTA DENSIDAD (HDPE/PEAD)

DN pulgadas	DN milímetros	SDR 7.3	SDR 9	SDR 11	SDR 13.5	SDR 17	SDR 21	SDR 26	SDR 32.5	SDR 41
		320 PSI	254 PSI	200 PSI	160 PSI	125 PSI	100 PSI	80 PSI	65 PSI	50 PSI
Peso nominal en kilogramos por metro										
2	60.3	1.286	1.075	0.900	0.747	0.604	0.498	0.402	0.324	0.259
3	88.9	2.792	2.335	1.952	1.620	1.309	1.074	0.877	0.707	0.560
4	114.3	4.617	3.859	3.229	2.677	2.165	1.770	1.444	1.162	0.932
5	136.5	6.587	5.503	4.609	3.821	3.084	2.528	2.064	1.658	1.325
5½	141.3	7.059	5.897	4.937	4.095	3.304	2.709	2.209	1.779	1.424
6	168.3	10.018	8.365	6.997	5.812	4.693	3.836	3.135	2.528	2.021
7	181.0	11.582	9.680	8.100	6.722	5.435	4.452	3.623	2.919	2.334
8	219.1	16.978	14.174	11.863	9.848	7.943	6.515	5.313	4.275	3.410
10	273.1	26.373	22.020	18.427	15.292	12.341	10.116	8.239	6.656	5.303
12	323.8	37.084	30.981	25.917	21.501	17.363	14.220	11.590	9.346	7.440
13	339.7	40.800	34.087	28.527	23.679	19.114	15.655	12.754	10.304	8.208
14	355.6	44.714	37.362	31.261	25.938	20.949	17.160	13.975	11.284	8.987
16	406.4	58.402	48.792	40.835	33.875	27.343	22.405	18.257	14.722	11.747
18	457.2	73.915	61.745	51.657	42.869	34.617	28.348	23.110	18.649	14.875
20	508.0	91.253	76.222	63.781	52.921	42.714	34.990	28.535	23.004	18.373
21 ½	546.1	105.439	88.063	73.729	61.189	49.391	40.458	32.989	26.618	21.208
22	558.8	110.416	92.222	77.182	64.067	51.699	42.368	34.532	27.854	22.239
24	609.6	131.404	109.782	91.860	76.238	61.541	50.410	41.099	33.125	26.430
26	660.4	154.217	128.792	107.814	89.466	72.196	59.151	48.239	38.900	31.031
28	711.2	178.856	149.404	125.002	103.753	83.749	68.590	55.949	45.138	36.001

DN: Diámetro exterior nominal.