



ЗАВОД ЗА ПЛАСТМАСОВИ ТРЪБИ  
PLASTIC PIPES FACTORY



"ПЛАСТЕК" ООД  
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ХИДРАВЛИЧНИ ТАБЛИЦИ ЗА РЕ-HD ТРЪБИ - PN25  
за водопроводни системи **BlueLine-PE100** и **SafeLine-RC**

BlueLine-PE100 и SafeLine-RC тръби, SDR7.4, PN25, коеф. на сигурност 1.25, хидр. грапавина K=0.01mm, темп. на водата 10°C													
DN (mm)	90		110		125		140		160		180		DN (mm)
Вън. диам.(mm)	90		110		125		140		160		180		Вън. диам.(mm)
Деб. стена(mm)	12.3		15.1		17.1		19.2		21.9		24.6		Деб. стена(mm)
Вътр. диам.(mm)	65.4		79.8		90.8		101.6		116.2		130.8		Вътр. диам.(mm)
Q	V	i	V	i	V	i	V	i	V	i	V	i	Q
L/s	m/s	m/m	m/s	m/m	m/s	m/m	m/s	m/m	m/s	m/m	m/s	m/m	L/s
1.7	0.506	0.00496											1.7
1.8	0.536	0.00549											1.8
1.9	0.566	0.00604											1.9
2.0	0.595	0.00662											2.0
2.1	0.625	0.00722											2.1
2.2	0.655	0.00784											2.2
2.3	0.685	0.00849											2.3
2.4	0.714	0.00915											2.4
2.5	0.744	0.00985	0.500	0.00379									2.5
2.6	0.774	0.01056	0.520	0.00406									2.6
2.7	0.804	0.01130	0.540	0.00435									2.7
2.8	0.834	0.01206	0.560	0.00464									2.8
2.9	0.863	0.01284	0.580	0.00494									2.9
3.0	0.893	0.01364	0.600	0.00524									3.0
3.1	0.923	0.01447	0.620	0.00556									3.1
3.2	0.953	0.01532	0.640	0.00588									3.2
3.3	0.982	0.01619	0.660	0.00621	0.510	0.00334							3.3
3.4	1.012	0.01708	0.680	0.00655	0.525	0.00353							3.4
3.5	1.042	0.01799	0.700	0.00690	0.541	0.00371							3.5
3.6	1.072	0.01892	0.720	0.00726	0.556	0.00390							3.6
3.7	1.101	0.01988	0.740	0.00762	0.571	0.00410							3.7
3.8	1.131	0.02086	0.760	0.00800	0.587	0.00430							3.8
3.9	1.161	0.02186	0.780	0.00838	0.602	0.00450							3.9
4.0	1.191	0.02288	0.800	0.00877	0.618	0.00471							4.0
4.5	1.340	0.02830	0.900	0.01083	0.695	0.00582	0.555	0.00339					4.5
5.0	1.488	0.03424	1.000	0.01309	0.722	0.00703	0.617	0.00409					5.0
5.5	1.637	0.04069	1.100	0.01554	0.849	0.00834	0.678	0.00485	0.519	0.00255			5.5
6.0	1.786	0.04766	1.200	0.01818	0.927	0.00975	0.740	0.00567	0.566	0.00298			6.0
6.5	1.935	0.05514	1.300	0.02101	1.004	0.01126	0.802	0.00655	0.613	0.00343			6.5
7.0	2.084	0.06311	1.400	0.02403	1.081	0.01287	0.863	0.00748	0.660	0.00392	0.521	0.00222	7.0
7.5	2.233	0.07158	1.500	0.02723	1.158	0.01458	0.925	0.00847	0.707	0.00444	0.558	0.00251	7.5
8	2.382	0.08055	1.600	0.03061	1.236	0.01638	0.987	0.00952	0.754	0.00498	0.595	0.00282	8
9	2.679	0.09996	1.800	0.03793	1.390	0.02028	1.110	0.01177	0.849	0.00616	0.670	0.00348	9
10	2.977	0.12131	1.999	0.04596	1.544	0.02455	1.234	0.01425	0.943	0.00745	0.744	0.00421	10
11	3.275	0.14460	2.199	0.05471	1.699	0.02920	1.357	0.01693	1.037	0.00885	0.819	0.00500	11
12	3.572	0.16979	2.399	0.06416	1.853	0.03422	1.480	0.01983	1.132	0.01035	0.893	0.00585	12
13			2.599	0.07430	2.008	0.03960	1.604	0.02294	1.226	0.01197	0.968	0.00676	13
14			2.799	0.08515	2.162	0.04535	1.727	0.02626	1.320	0.01369	1.042	0.00772	14
15			2.999	0.09668	2.317	0.05146	1.850	0.02978	1.415	0.01552	1.116	0.00875	15
16			3.199	0.10890	2.471	0.05793	1.974	0.03350	1.509	0.01745	1.191	0.00984	16
17			3.399	0.12180	2.625	0.06475	2.097	0.03743	1.603	0.01949	1.265	0.01098	17
18					2.780	0.07193	2.220	0.04157	1.697	0.02163	1.340	0.01218	18
19					2.934	0.07946	2.344	0.04590	1.792	0.02388	1.414	0.01344	19
20					3.089	0.08735	2.467	0.05043	1.886	0.02622	1.488	0.01476	20
22					3.398	0.10416	2.714	0.06009	2.075	0.03122	1.637	0.01756	22
24							2.960	0.07055	2.263	0.03662	1.786	0.02058	24
26							3.207	0.08178	2.452	0.04242	1.935	0.02383	26
28							3.454	0.09380	2.640	0.04862	2.084	0.02730	28
30									2.829	0.05521	2.233	0.03098	30
32									3.018	0.06219	2.382	0.03488	32
34									3.206	0.06957	2.530	0.03900	34
36									3.395	0.07733	2.679	0.04333	36
38											2.828	0.04787	38
40											2.977	0.05263	40
42											3.126	0.05760	42
44											3.275	0.06278	44
46											3.423	0.06816	46

Изчисленията са направени по формулите на Darcy-Weisbach : Colebrook White  
За коментар, обсъждане, консултации и допълнителни и конкретни данни за различни  
Q, DN, K от дадените в таблиците свържете се с проектантският ни колектив:

Лице за контакт: инж. Р. Денков  
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за водопроводни системи **BlueLine-PE100** и **SafeLine-RC**

BlueLine-PE100 и SafeLine-RC тръби, SDR7.4, PN25, коеф. на сигурност 1.25, хидр. грапавина K=0.01mm, темп. на водата 10°C													
DN (mm)	200		225		250		280		315		355		DN (mm)
Вън. диам.(mm)	200		225		250		280		315		355		Вън. диам.(mm)
Деб. стена(mm)	27.4		30.8		34.2		38.3		43.1		48.5		Деб. стена(mm)
Вътр. диам.(mm)	145.2		163.4		181.6		203.4		228.8		258		Вътр. диам.(mm)
Q	V	i	V	i	V	i	V	i	V	i	V	i	Q
L/s	m/s	m/m	m/s	m/m	m/s	m/m	m/s	m/m	m/s	m/m	m/s	m/m	L/s
9	0.544	0.00211											9
10	0.604	0.00255											10
11	0.664	0.00302	0.525	0.00171									11
12	0.725	0.00353	0.572	0.00200									12
13	0.785	0.00408	0.620	0.00231	0.502	0.00139							13
14	0.846	0.00467	0.668	0.00264	0.541	0.00159							14
15	0.906	0.00528	0.715	0.00299	0.579	0.00180							15
16	0.966	0.00594	0.763	0.00336	0.618	0.00202							16
17	1.027	0.00663	0.811	0.00375	0.656	0.00225	0.523	0.00131					17
18	1.087	0.00735	0.858	0.00416	0.695	0.00250	0.554	0.00145					18
19	1.147	0.00811	0.906	0.00458	0.734	0.00275	0.585	0.00160					19
20	1.208	0.00890	0.954	0.00503	0.772	0.00302	0.616	0.00175					20
21	1.268	0.00972	1.001	0.00549	0.811	0.00330	0.646	0.00191	0.511	0.00108			21
22	1.329	0.01058	1.049	0.00598	0.849	0.00359	0.677	0.00208	0.535	0.00118			22
23	1.389	0.01147	1.097	0.00648	0.888	0.00389	0.708	0.00225	0.559	0.00128			23
24	1.449	0.01240	1.145	0.00700	0.927	0.00420	0.739	0.00243	0.584	0.00138			24
25	1.510	0.01336	1.192	0.00754	0.965	0.00452	0.769	0.00262	0.608	0.00148			25
26	1.570	0.01435	1.240	0.00809	1.004	0.00486	0.800	0.00281	0.632	0.00159			26
27	1.631	0.01537	1.288	0.00867	1.042	0.00520	0.831	0.00301	0.657	0.00170	0.517	0.00096	27
28	1.691	0.01642	1.335	0.00926	1.081	0.00555	0.862	0.00321	0.681	0.00182	0.536	0.00102	28
29	1.751	0.01751	1.383	0.00987	1.120	0.00592	0.893	0.00342	0.705	0.00194	0.555	0.00109	29
30	1.812	0.01863	1.431	0.01050	1.158	0.00630	0.923	0.00364	0.730	0.00206	0.574	0.00116	30
32	1.933	0.02097	1.526	0.01181	1.236	0.00708	0.985	0.00409	0.778	0.00232	0.612	0.00130	32
34	2.053	0.02344	1.621	0.01320	1.313	0.00791	1.046	0.00457	0.827	0.00259	0.650	0.00145	34
36	2.174	0.02603	1.717	0.01465	1.390	0.00878	1.108	0.00507	0.876	0.00287	0.689	0.00161	36
38	2.295	0.02875	1.812	0.01618	1.467	0.00969	1.170	0.00559	0.924	0.00316	0.727	0.00177	38
40	2.416	0.03159	1.908	0.01777	1.544	0.01064	1.231	0.00614	0.973	0.00347	0.765	0.00194	40
45	2.718	0.03925	2.146	0.02200	1.737	0.01319	1.385	0.00761	1.095	0.00430	0.861	0.00241	45
50	3.020	0.04768	2.384	0.02678	1.930	0.01600	1.539	0.00922	1.216	0.00521	0.956	0.00291	50
55	3.322	0.05689	2.623	0.03192	2.123	0.01907	1.693	0.01098	1.338	0.00620	1.052	0.00347	55
60			2.861	0.03748	2.317	0.02238	1.847	0.01288	1.459	0.00727	1.148	0.00406	60
65			3.100	0.04347	2.510	0.02593	2.000	0.01492	1.581	0.00842	1.243	0.00470	65
70			3.338	0.04986	2.703	0.02974	2.154	0.01710	1.703	0.00964	1.339	0.00538	70
75					2.896	0.03378	2.308	0.01942	1.824	0.01094	1.435	0.00610	75
80					3.089	0.03807	2.462	0.02187	1.946	0.01232	1.530	0.00687	80
85					3.282	0.04260	2.616	0.02446	2.067	0.01377	1.626	0.00768	85
90					3.475	0.04736	2.770	0.02718	2.189	0.01530	1.722	0.00853	90
95							2.924	0.03005	2.311	0.01691	1.817	0.00942	95
100							3.078	0.03304	2.432	0.01859	1.913	0.01035	100
105							3.232	0.03617	2.554	0.02034	2.008	0.01132	105
110							3.385	0.03943	2.675	0.02216	2.104	0.01233	110
115									2.797	0.02406	2.200	0.01338	115
120									2.919	0.02604	2.295	0.01448	120
125									3.040	0.02808	2.391	0.01561	125
130									3.162	0.03020	2.487	0.01678	130
135									3.284	0.03240	2.582	0.01800	135
140									3.405	0.03466	2.678	0.01925	140
145											2.774	0.02054	145
150											2.869	0.02187	150
155											2.965	0.02324	155
160											3.061	0.02465	160
165											3.156	0.02610	165
170											3.252	0.02759	170
175											3.347	0.02912	175
180											3.443	0.03068	180

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Лице за контакт: инж. Р. Денков  
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BlueLine-PE100 и SafeLine-RC тръби, SDR7.4, PN25, коеф. на сигурност 1.25, хидр. грапавина K=0.01mm, темп. на водата 10°C													
DN (mm)	400			450			500						DN (mm)
Вън. диам.(mm)	400			450			500						Вън. диам.(mm)
Деб. стена(mm)	54.7			61.5			68.3						Деб. стена(mm)
Вътр. диам.(mm)	290.6			327			363.4						Вътр. диам.(mm)
Q	V	i	V	i	V	i	V	i	V	i	V	i	Q
L/s	m/s	m/m	m/s	m/m	m/s	m/m	m/s	m/m	m/s	m/m	m/s	m/m	L/s
34	0.513	0.00082											34
36	0.543	0.00091											36
38	0.573	0.00100											38
40	0.603	0.00110											40
42	0.633	0.00120	0.500	0.00068									42
44	0.663	0.00130	0.524	0.00074									44
46	0.694	0.00141	0.548	0.00080									46
48	0.724	0.00152	0.572	0.00086									48
50	0.754	0.00164	0.595	0.00093									50
52	0.784	0.00176	0.619	0.00100	0.501	0.00060							52
54	0.814	0.00189	0.643	0.00107	0.521	0.00064							54
56	0.844	0.00201	0.667	0.00114	0.540	0.00069							56
58	0.875	0.00215	0.691	0.00121	0.559	0.00073							58
60	0.905	0.00228	0.714	0.00129	0.579	0.00078							60
62	0.935	0.00242	0.738	0.00137	0.598	0.00082							62
64	0.965	0.00257	0.762	0.00145	0.617	0.00087							64
66	0.995	0.00272	0.786	0.00154	0.636	0.00092							66
68	1.025	0.00287	0.810	0.00162	0.656	0.00097							68
70	1.055	0.00302	0.834	0.00171	0.675	0.00105							70
72	1.086	0.00318	0.857	0.00180	0.694	0.00108							72
74	1.116	0.00335	0.881	0.00189	0.714	0.00114							74
76	1.146	0.00351	0.905	0.00198	0.733	0.00119							76
78	1.176	0.00368	0.929	0.00208	0.752	0.00125							78
80	1.206	0.00386	0.953	0.00218	0.771	0.00131							80
85	1.282	0.00431	1.012	0.00243	0.820	0.00146							85
90	1.357	0.00478	1.072	0.00270	0.868	0.00162							90
95	1.432	0.00528	1.131	0.00298	0.916	0.00179							95
100	1.508	0.00580	1.191	0.00327	0.964	0.00196							100
105	1.583	0.00634	1.250	0.00358	1.012	0.00215							105
110	1.659	0.00691	1.310	0.00390	1.061	0.00234							110
115	1.734	0.00750	1.369	0.00423	1.109	0.00253							115
120	1.809	0.00811	1.429	0.00457	1.157	0.00274							120
125	1.885	0.00874	1.488	0.00492	1.205	0.00295							125
130	1.960	0.00939	1.548	0.00529	1.253	0.00317							130
135	2.035	0.01007	1.608	0.00567	1.302	0.00340							135
140	2.111	0.01077	1.667	0.00606	1.350	0.00363							140
145	2.186	0.01149	1.727	0.00647	1.398	0.00387							145
150	2.262	0.01223	1.786	0.00688	1.446	0.00412							150
160	2.412	0.01378	1.905	0.00775	1.543	0.00464							160
170	2.563	0.01541	2.024	0.00867	1.639	0.00518							170
180	2.714	0.01713	2.143	0.00963	1.736	0.00576							180
190	2.865	0.01894	2.262	0.01064	1.832	0.00636							190
200	3.015	0.02083	2.382	0.01170	1.928	0.00699							200
210	3.166	0.02281	2.501	0.01280	2.025	0.00765							210
220	3.317	0.02487	2.620	0.01395	2.121	0.00833							220
230	3.468	0.02701	2.739	0.01515	2.218	0.00905							230
240			2.858	0.01640	2.314	0.00979							240
250			2.977	0.01769	2.410	0.01056							250
260			3.096	0.01902	2.507	0.01135							260
270			3.215	0.02041	2.603	0.01217							270
280			3.334	0.02183	2.700	0.01302							280
290			3.453	0.02331	2.796	0.01390							290
300					2.892	0.01480							300
320					3.085	0.01669							320
340					3.278	0.01868							340
360					3.471	0.02078							360

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Q, DN, K от дадените в таблиците свържете се с проектантският ни колектив:

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