



Flying "W" Plastics

P. O. Box 759

Glenville, West Virginia 26351

(800) 327-4735

IPS PipeData

Pipe Size	Nominal OD	200 PSI - SDR-9			160 PSI - SDR-11			130 PSI - SDR-13.5			100 PSI - SDR-17			80 PSI - SDR-21		
		Min. Wall	Average ID	Weight (lbs/ft.)	Min. Wall	Average ID	Weight (lbs/ft.)	Min. Wall	Average ID	Weight (lbs/ft.)	Min. Wall	Average ID	Weight (lbs/ft.)	Min. Wall	Average ID	Weight (lbs/ft.)
1/2"	0.840	0.093	0.64	0.10	0.076	0.67	0.08	0.062	0.70	0.07						
3/4"	1.050	0.117	0.80	0.15	0.095	0.84	0.12	0.078	0.88	0.10	0.062	0.91	0.08			
1"	1.315	0.146	1.00	0.23	0.120	1.06	0.20	0.097	1.10	0.16	0.077	1.15	0.13			
1-1/4"	1.660	0.184	1.26	0.37	0.151	1.34	0.31	0.123	1.39	0.26	0.098	1.45	0.21			
1-1/2"	1.900	0.211	1.45	0.49	0.173	1.53	0.41	0.141	1.60	0.34	0.112	1.66	0.27			
2"	2.375	0.264	1.81	0.76	0.216	1.91	0.64	0.176	2.00	0.53	0.140	2.07	0.43			
2-1/2"	2.875	0.319	2.19	1.12	0.261	2.32	0.94	0.213	2.42	0.78	0.169	2.51	0.63			
3"	3.500	0.389	2.67	1.66	0.318	2.82	1.39	0.259	2.95	1.15	0.206	3.06	0.93	0.167	3.14	0.76
4"	4.500	0.500	3.44	2.74	0.409	3.63	2.29	0.333	3.79	1.91	0.265	3.93	1.54	0.214	4.04	1.26
5"	5.563	0.618	4.25	4.18	0.506	4.49	3.51	0.412	4.68	2.91	0.327	4.86	2.35	0.265	5.00	1.93
6"	6.625	0.736	5.06	5.93	0.602	5.34	4.97	0.491	5.58	4.13	0.390	5.79	3.34	0.315	5.95	2.74
8"	8.625	0.958	6.59	10.05	0.784	6.96	8.43	0.639	7.27	7.00	0.507	7.54	5.66	0.411	7.75	4.64
10"	10.750	1.194	8.21	15.62	0.977	8.67	13.09	0.796	9.06	10.88	0.632	9.40	8.79	0.512	9.66	7.20
12"	12.750	1.417	9.74	21.97	1.159	10.29	18.41	0.944	10.74	15.30	0.750	11.16	12.36	0.607	11.46	10.13
14"	14.000	1.556	10.70	26.49	1.273	11.30	22.20	1.037	11.80	18.45	0.824	12.25	14.90	0.667	12.58	12.22

DIPS PipeData

Pipe Size	Nominal OD	200 PSI - SDR-9			160 PSI - SDR-11			130 PSI - SDR-13.5			100 PSI - SDR-17			80 PSI - SDR-21		
		Min. Wall	Average ID	Weight (lbs/ft.)	Min. Wall	Average ID	Weight (lbs/ft.)	Min. Wall	Average ID	Weight (lbs/ft.)	Min. Wall	Average ID	Weight (lbs/ft.)	Min. Wall	Average ID	Weight (lbs/ft.)
4"	4.800	0.533	3.66	3.11	0.436	3.87	2.61	0.356	4.04	2.17	0.282	4.20	1.75	0.229	4.31	1.44
6"	6.900	0.767	5.27	6.43	0.627	5.57	5.39	0.511	5.81	4.48	0.406	6.03	3.62	0.329	6.20	2.97
8"	9.050	1.006	6.91	11.07	0.823	7.30	9.28	0.670	7.62	7.71	0.532	7.92	6.23	0.431	8.13	5.11
10"	11.100	1.233	8.48	16.65	1.009	8.96	13.95	0.822	9.35	11.60	0.653	9.71	9.37	0.529	9.97	7.68
12"	13.200	1.467	10.09	23.55	1.200	10.65	19.73	0.978	11.12	16.40	0.776	11.55	13.25	0.629	11.86	10.86
14"	15.300	1.700	11.69	31.64	1.391	12.35	26.51	1.133	12.89	22.03	0.900	13.39	17.80	0.729	13.75	14.59

Pipe weights are calculated in accordance with PPI TR-7. Average ID is calculated using nominal OD and minimum wall plus 6% for use in estimating fluid flows. Actual inside diameter will vary. Pipe dimensions are in accordance with applicable ASTM standards

The listed SDR's are standard and stocking sizes, please call for other SDR requirements.

CTS PipeData

200 PSI - SDR-9				
Pipe Size	Nominal OD	Min. Wall	Average ID	Weight (lbs/ft.)
3/4"	0.875	0.097	0.66	0.10
1"	1.125	0.125	0.86	0.17
1-1/4"	1.375	0.153	1.05	0.26
1-1/2"	1.625	0.181	1.24	0.36
2"	2.125	0.236	1.62	0.61

Schedule HDPE Conduit

Schedule 40					Schedule 80		
Pipe Size	Nominal OD	Min. Wall	Average ID	Weight (lbs/ft.)	Min. Wall	Average ID	Weight (lbs/ft.)
1"	1.315	0.133	1.03	0.22	0.179	0.93	0.28
1-1/4"	1.660	0.140	1.36	0.29	0.191	1.25	0.38
1-1/2"	1.900	0.145	1.59	0.35	0.200	1.47	0.47
2"	2.375	0.154	2.04	0.47	0.218	1.91	0.64
2-1/2"	2.875	0.203	2.44	0.74	0.276	2.28	0.98
3"	3.500	0.216	3.04	0.97	0.300	2.86	1.32
4"	4.500	0.237	3.99	1.39	0.337	3.78	1.92
5"	5.563	0.258	5.01	1.88	0.375	4.76	2.67
6"	6.625	0.280	6.03	2.44	0.432	5.70	3.67

Note: For conduit that is SDR size see IPS chart on reverse side.

SIDR PipeData

Controlled Inside Diameter Water Pipe

200 PSI - SIDR-7					160 PSI - SIDR-9			125 PSI - SIDR-11.5			100 PSI - SIDR-15		
Pipe Size	Nominal ID	Min. Wall	Average OD	Weight (lbs/ft.)	Min. Wall	Average OD	Weight (lbs/ft.)	Min. Wall	Average OD	Weight (lbs/ft.)	Min. Wall	Average OD	Weight (lbs/ft.)
1/2"	0.622	0.089	0.81	0.088	0.069	0.77	0.066	0.060	0.75	0.057	0.060	0.75	0.057
3/4"	0.824	0.118	1.07	0.154	0.092	1.02	0.116	0.072	0.98	0.089	0.060	0.95	0.073
1"	1.049	0.150	1.37	0.250	0.117	1.30	0.188	0.091	1.24	0.144	0.070	1.20	0.108
1-1/4"	1.380	0.197	1.80	0.432	0.153	1.71	0.326	0.120	1.63	0.249	0.092	1.58	0.187
1-1/2"	1.610	0.230	2.10	0.588	0.179	1.99	0.444	0.140	1.91	0.339	0.107	1.84	0.255
2"	2.067	0.295	2.69	0.969	0.230	2.55	0.732	0.180	2.45	0.559	0.138	2.36	0.421
3"	3.068										0.205	3.50	0.926
4"	4.026							0.350	4.77	2.122			

The average OD is ID + (2 x min. wall) x 6% - this is ID controlled pipe and OD may vary slightly.