

FRICTION LOSS METRIC POLY PIPE GREEN LINE

Polyethylene Rural Pipe Based on AS 2698.2-2000											
Poly Rural		¾" Nom. Bore 19.05mm ID		1" Nom. Bore 25.35mm ID		1 ¼" Nom. Bore 31.65mm ID		1 ½" Nom. Bore 38.1mm ID		2" Nom. Bore 50.9mm ID	
FLOW RATE L/SEC	FLOW RATE L/MIN	Velocity m/s	Head Loss m/100m	Velocity m/s	Head Loss m/100m	Velocity m/s	Head Loss m/100m	Velocity m/s	Head Loss m/100m	Velocity m/s	Head Loss m/100m
0.04	2.4	0.14	0.15								
0.06	3.6	0.21	0.49	0.12	0.08	0.1	0.05				
0.08	4.8	0.28	0.8	0.16	0.21	0.13	0.11				
0.10	6	0.35	1.18	0.2	0.31	0.25	0.35				
0.20	12	0.7	3.92	0.4	1.01	0.38	0.71	0.18	0.15		
0.30	18	1.05	7.97	0.59	2.05	0.51	1.18	0.26	0.3	0.15	0.08
0.40	24	1.4	13.23	0.79	3.39	0.64	1.74	0.35	0.49	0.2	0.12
0.50	30	1.75	19.62	0.99	5.02	0.76	2.4	0.44	0.72	0.25	0.18
0.60	36	2.11	27.12	1.19	6.92	0.89	3.15	0.53	0.99	0.3	0.25
0.70	42	2.46	35.67	1.39	9.09	1.02	3.99	0.61	1.3	0.34	0.33
0.80	48	2.81	45.26	1.59	11.52	1.14	4.91	0.7	1.65	0.39	0.42
0.90	54	3.16	55.87	1.78	14.2	1.27	5.92	0.79	2.03	0.44	0.51
1.00	60	3.51	67.47	1.98	17.13	1.53	8.19	0.88	2.44	0.49	0.62
1.20	72	4.21	93.59	2.38	23.71	1.78	10.77	1.05	3.37	0.59	0.85
1.40	84	4.91	123.52	2.77	31.24	1.91	12.18	1.23	4.43	0.69	1.12
1.50	90	5.26	139.89	2.97	35.35	2.03	13.67	1.32	5.01	0.74	1.26
1.60	96	5.61	157.18	3.17	36.69	2.29	16.88	1.4	5.62	0.79	1.41
1.80	108	6.32	194.5	3.57	49.04	2.54	20.38	1.58	6.94	0.89	1.74
2.00	120			3.96	59.28	3.18	30.43	1.75	8.37	0.98	2.1
2.50	150			4.95	88.66	3.81	42.26	2.19	12.48	1.23	3.13
3.00	180			5.94	123.34	4.45	55.83	2.63	17.31	1.48	4.33
3.50	210			6.93	163.18	5.08	71.09	3.07	22.84	1.72	5.71
4.00	240					5.72	88.02	3.51	29.06	1.97	7.25
4.50	270					6.36	106.6	3.95	35.95	2.22	8.96
5.00	300					6.99	126.79	4.39	43.5	2.46	10.83
5.50	330							4.82	51.7	2.71	12.86
6.00	360							5.26	60.54	2.95	15.04
6.50	390							5.7	70.02	3.2	17.38
7.00	420							6.14	80.136	3.45	19.87
7.50	450							6.58	90.86	3.69	22.51
8.00	480									3.94	25.31
8.50	510									4.19	28.25
9.00	540									4.43	31.34
9.5	570									4.68	34.57
10.00	600									4.92	37.95

DISCLAIMER: The information and data provided is estimated and is a guide only, and it is the sole and entire responsibility of the user to ensure that it is accurate and suitable for their application.