

FLOW CHART FULL FLOW CAPACITY (gallons/minute)

Poly-Smooth Line® double-wall corrugated polyethylene pipe										
Pipe Diameter (in)	Hydraulic Slope: Feet Per Hundred Feet									
	0.02	0.05	0.10	0.20	0.50	1.0	2.0	5.0	10.0	20.0
4	13.1	20.7	29.3	41.5	65.5	92.7	131.1	207.3	293.1	414.5
6	38.7	61.1	86.4	122.2	193.3	273.3	386.5	611.2	864.3	1222.3
8	83.3	131.6	186.2	263.3	416.3	588.7	832.5	1316.3	1861.6	2632.7
10	151.0	238.7	337.6	477.4	754.8	1067.4	1509.6	2386.9	3375.5	4773.7
12	245.5	388.2	548.9	776.3	1227.5	1735.9	2454.9	3881.5	5489.3	7763.1
15	445.1	703.8	995.4	1407.6	2225.7	3147.6	4451.4	7038.2	9953.6	14076.5
18	723.9	1144.6	1618.7	2289.1	3619.4	5118.6	7238.9	11445.6	16186.6	22891.3
24	1559.1	2465.2	3486.3	4930.4	7795.6	11024.7	15591.3	24652.0	34863.1	49303.9
30	2827.1	4470.0	6321.6	8940.1	14135.5	19990.6	28271.0	44700.3	63215.8	89400.6
36	4597.4	7269.2	10280.2	14538.4	22987.2	32508.9	45974.5	72692.0	102802.1	145384.1
42	6935.3	10965.6	15507.8	21931.3	34676.4	49039.8	69352.8	109656.4	155077.5	219312.8
48	9902.1	15656.6	22141.8	31313.3	49510.6	70018.6	99021.3	156566.4	221418.3	313132.7
60	17955.1	28389.5	40148.8	56779.0	89775.4	126961.6	179550.8	283894.8	401487.9	567789.6

FLOW CHART FULL FLOW CAPACITY (gallons/minute)

Poly-Drain® single-wall corrugated polyethylene pipe										
Pipe Diameter (in)	Hydraulic Slope: Feet Per Hundred Feet									
	0.02	0.05	0.10	0.20	0.50	1.0	2.0	5.0	10.0	20.0
3	4.9	7.7	10.9	15.4	24.3	34.4	48.7	77.0	108.9	154.0
4	10.5	16.6	23.4	33.2	52.4	74.2	104.9	165.8	234.5	331.6
5	19.0	30.1	42.5	60.1	95.1	134.5	190.2	300.7	425.2	601.3
6	30.9	48.9	69.1	97.8	154.6	218.7	309.2	488.9	691.5	977.9
8	62.4	98.7	139.6	197.5	312.2	441.5	624.4	987.3	1396.2	1974.5
10	106.6	168.5	238.3	337.0	532.8	753.5	1065.6	1684.8	2382.7	3369.7
12	163.7	258.8	366.0	517.5	818.3	1157.3	1636.6	2587.7	3659.6	5175.4
15	296.8	469.2	663.6	938.4	1483.8	2098.4	2967.6	4692.2	6635.7	9384.3
18	434.3	686.7	971.2	1373.5	2171.7	3071.2	4343.3	6867.4	9711.9	13734.8
24	935.5	1479.1	2091.8	2958.2	4677.4	6614.8	9354.8	14791.2	20917.9	29582.4

Calculated using industry recommended Manning's "n" value of .015 for sizes 3"-6", .016 for 8", .017 for 10", .018 for 12"-15", and .020 for 18"-24"