

TABLE 12-23 Polyethylene Plastic Pipe [NFPA 54: Table 6.2(r)]

		Gas: Natural				
		Inlet Pressure: Less than 0.138bar				
		Pressure Drop: 7.5mm w.c.				
		Specific Gravity: 0.6				
	Pipe Size (mm)					
Nominal OD:	15	20	25	32	38	50
Designation:	SDR 9.33	SDR 11.0	SDR 11.00	SDR 10.00	SDR 11.00	SDR 11.00
Length (m)	Capacity in m ³ /h					
3	4.3	8.6	15.6	27.0	40.8	73.3
6	3.0	5.9	10.7	18.6	28.1	50.4
9	2.4	4.8	8.6	14.9	22.5	40.5
12	2.0	4.1	7.4	12.8	19.3	34.5
15	1.8	3.6	6.5	11.3	17.1	30.6
18	1.6	3.3	5.9	10.2	15.5	27.8
21	1.5	3.0	5.4	9.4	14.2	25.6
24	1.4	2.8	5.1	8.8	13.2	23.8
27	1.3	2.6	4.8	8.2	12.4	22.3
30	1.2	2.5	4.5	7.8	11.7	21.1
37.5	1.1	2.2	4.0	6.9	10.4	18.7
45	1.0	2.0	3.6	6.3	9.4	16.9
52.5	0.9	1.8	3.3	5.7	8.7	15.6
60	0.8	1.7	3.1	5.4	8.1	14.5
75	0.8	1.5	2.7	4.7	7.2	12.9
90	0.7	1.4	2.5	4.3	6.5	11.6
105	0.6	1.3	2.3	3.9	6.0	10.7
120	0.6	1.2	2.1	3.7	5.5	10.0
135	0.5	1.1	2.0	3.5	5.2	9.3
150	0.5	1.0	1.9	3.3	4.9	8.8

Note: All table entries are rounded to 3 significant digits.

SI: 1m = 3.3 ft.; 1mm = 0.04 in.; 1m³ = 33.3 ft.³; 1bar = 14.5 psi