

**TABLE 12-25 Polyethylene Plastic Pipe [NFPA 54: Table 6.2(t)]**

		<b>Gas: Natural</b>				
		<b>Inlet Pressure: 0.138bar</b>				
		<b>Pressure Drop: 0.069bar</b>				
		<b>Specific Gravity: 0.6</b>				
		<b>Pipe Size (mm)</b>				
<b>Nominal OD:</b>	<b>15</b>	<b>20</b>	<b>25</b>	<b>32</b>	<b>38</b>	<b>50</b>
<b>Designation:</b>	<b>SDR 9.33</b>	<b>SDR 11.0</b>	<b>SDR 11.00</b>	<b>SDR 10.00</b>	<b>SDR 11.00</b>	<b>SDR 11.00</b>
<b>Length (m)</b>	<b>Capacity in m<sup>3</sup>/h</b>					
3	52.7	105.3	190.0	328.4	498.3	894.6
6	36.2	72.5	130.5	226.2	342.6	614.3
9	29.2	58.0	105.0	181.8	274.3	492.6
12	24.9	49.8	89.7	155.4	235.0	421.8
15	22.0	44.2	79.6	137.9	208.1	373.7
18	20.0	39.9	72.2	124.8	188.5	339.7
21	18.4	36.8	66.2	114.9	173.5	311.4
24	17.1	34.3	61.7	107.0	161.4	288.8
27	16.0	32.0	58.0	100.2	151.5	272.1
30	15.1	30.3	54.6	94.8	143.0	257.1
37.5	13.4	26.9	48.4	84.1	126.8	227.9
45	12.1	24.3	43.9	76.2	114.9	206.4
52.5	11.2	22.4	40.5	69.9	105.6	190.0
60	10.4	20.8	37.7	65.1	98.2	176.7
67.5	9.2	18.5	33.4	57.8	87.2	156.6
90	8.4	16.7	30.3	52.4	79.0	141.8
105	7.7	15.4	27.8	48.1	72.8	130.5
120	7.2	14.3	25.8	44.7	67.7	121.4
135	6.7	13.4	24.2	41.9	63.4	113.8
150	6.3	12.7	22.9	39.6	60.0	107.6
550	6.0	12.1	21.7	37.7	56.9	102.2
180	5.7	11.5	20.8	36.0	54.4	97.4
195	5.5	11.0	19.9	34.5	52.1	93.4
210	5.3	10.6	19.1	33.1	49.8	89.7
750	5.1	10.2	18.4	32.0	48.1	86.3
240	4.9	9.9	17.8	30.9	46.4	83.5
255	4.8	9.5	17.2	29.7	45.0	80.7
270	4.6	9.2	16.6	28.9	43.6	78.4
285	4.5	9.0	16.2	28.0	42.5	76.2
300	4.4	8.7	15.7	27.3	41.0	73.9
330	4.1	8.3	14.9	25.9	39.1	70.2
360	3.9	7.9	14.3	24.7	37.4	67.1
390	3.8	7.6	13.6	23.7	35.7	64.3
420	3.6	7.3	13.1	22.7	34.3	61.7
450	3.5	7.0	12.6	21.9	33.1	59.5
480	3.4	6.8	12.2	21.1	32.0	57.5
510	3.3	6.5	11.8	20.5	30.9	55.5
540	3.2	6.3	11.4	19.8	30.0	53.8
570	3.1	6.2	11.1	19.3	29.2	52.4
600	3.0	6.0	10.8	18.7	28.3	51.0

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

SI: 1m = 3.3 ft.; 1mm = 0.04 in.; 1m<sup>3</sup> = 33.3 ft.<sup>3</sup>; 1bar = 14.5 psi