

PIPELINE SIZE AND VOLUME
A. Actual Inside Diameter (Inches)

Nominal Pipe Size (inches)	Outside Pipe Diameter (inches)	PVC Flexible Pressure Pipe				PVC Rigid Pipe		Corrugated Drainage Tile
		SDR32.5	SDR26	SDR21	SDR17	Sch.40	Sch.80	
1	1.315		1.195	1.189	1.161	1.049	0.957	
1 ¼	1.660	1.54	1.532	1.502	1.464	1.380	1.278	
1 ½	1.90	1.78	1.754	1.72	1.676	1.610	1.50	
2	2.375	2.229	2.193	2.149	2.095	2.067	1.939	
2 ½	2.875	2.699	2.655	2.601	2.537	2.469	2.323	
3	3.50	3.284	3.23	3.166	3.088	3.068	2.90	
3 ½	4.0	3.754	3.692	3.62	3.53	3.548	3.364	
4	4.50	4.224	4.154	4.072	3.97	4.026	3.826	4.00
5	5.563	5.221	5.135	5.033	4.909	5.047	4.813	5.00
6	6.625	6.217	6.115	5.993	5.845	6.065	5.761	6.00
8	8.625	8.095	7.961	7.805	7.609	7.981	7.625	

B. Volume Per 100 Feet (Gallons)

Nominal Pipe Size (inches)	PVC Flexible Pressure Pipe				PVC Rigid Pipe		
	SDR32.5	SDR26	SDR21	SDR17	Sch.40	Sch.80	
1		5.8	5.8	5.5	4.5	3.7	
1 ¼	9.7	9.6	9.2	8.7	7.8	6.7	
1 ½	12.9	12.6	12.1	11.5	10.6	9.2	
2	20.3	19.6	18.8	17.9	17.4	15.3	
2 ½	29.7	28.8	27.6	26.3	24.9	22.0	
3	44.0	42.6	40.9	38.9	38.4	34.3	
3 ½	57.5	55.6	53.5	50.8	51.4	46.2	
4	72.8	70.4	67.7	64.3	66.1	59.7	65.3
5	111	108	103	98.3	104	94.5	102
6	158	153	147	139	150	135	147
8	267	259	249	236	260	237	

NOTES:

“SDR” means standard dimension ratio and is the ratio of outside pipe diameter to wall thickness.

Source: derived from ASTM Standards D-1785, D-2241, D-2729, and F-405