

PVC SEWER & STORM DRAINAGE PIPE

Scope: This submittal designates the general requirements for **Unplasticized Polyvinyl Chloride (PVC) Plastic PSM Sewer Pipe from compound with a cell class 12454-B, as defined in ASTM Standard D-1784.**

Pipe: Pipe in trade size diameter of 4” through 15” shall meet the requirements of the latest ASTM D-3034 Standard. Pipe in trade sizes diameter of 18” and above shall meet the requirements of the latest ASTM Standard F-679. The above pipe shall conform to the requirements of CSA B-182.2, BNQ NQ 3624-130 and NQ 3624-135 Standards. If integral gasketed bell ends are provided on the pipe, the pipe joint must meet the requirements of ASTM Standard D-3212, and the sealing gasket must conform to the requirements of ASTM Standard F-477 for sizes 4”-15”. Pipe in trade size diameters of 4 and 6 inch are available with solvent-weld bells. Pipe manufactured to a laying length of 13’ does not reference BNQ Standards. Other lengths available upon request.

Fittings: Fittings shall conform to ASTM D-3034 & F-679 & CSA B-182.2.



ASTM D-3034			Minimum Wall Thickness						
Nominal Size	Metric (m.m)	Average O.D.	SDR-41	SDR-35	SDR-26	SDR-23.5	SDR-28	Bell OD Max.	“L” Dim. Reference
4 _i	100	4.215	----	0.120	0.162	0.178	0.150	5.050	3.500
5 _i	135	5.640	----	----	----	----	0.201	6.188	4.125
6 _i	150	6.275	0.153	0.180	0.241	0.265	0.224	7.305	4.375
8”	200	8.400	0.205	0.240	0.323	----	----	9.605	4.375
10”	250	10.500	0.256	0.300	0.404	----	----	12.030	6.125
12”	300	12.500	0.305	0.360	0.481	----	----	14.100	6.000
15”	375	15.300	0.375	0.437	0.588	----	----	17.200	6.375
Min. Pipe Stiffness @ 5% Deflection			28 psi	46 psi	115 psi	153 psi	91 psi		
ASTM F-679			*T-1 Min. (SDR-35)		*T-1 Min. (SDR-26)	**T-2 Min (SDR-35)			
18”	450	18.701	0.536		0.719	0.499	----	20.690	9.125
21”	500	22.047	0.632		0.847	0.588	----	24.260	10.125
24”	600	24.803	0.711		0.953	0.661	----	27.290	11.125
Min. Pipe Stiffness @ 5% Deflection			46 psi		115 psi	46 psi			