

SUBMITTAL FOR ATLANTA PIPE uPVC SDR 34, SDR 41 AND FABRICATED SEWER FITTINGS

SCOPE

This specification covers uPVC SDR 34, S41 and Fabricated Sewer main fitting used in an underground carriage system specifically for transporting [sewage](#) from houses and commercial buildings through pipes to [treatment](#) facilities or disposal applications. This system is intended for buried drainage and sewerage applications where the operating temperature will not exceed 140° F (60° C).

SPECIFICATION

Pipe shall be made and manufactured from virgin rigid PVC (polyvinyl chloride) vinyl compounds with a cell classification Of 12454 as identified in ASTM D 1784. All systems shall utilized a separate waste and vent systems. The product is conforming to the ISO 4435 (International Organization for Standardization), the governing manufacturing quality standards. All pipe and fittings shall be manufactured in the Philippines.

INSTALLATION

Installation shall comply with the latest installation instructions published or with supervision by Atlanta Industries, Inc. and shall conform to all applicable plumbing and building code requirements. Buried pipe shall be installed in accordance with ASTM D 2321. Solvent cement joints shall conform to ASTM D 2564. The system shall be protected from chemical agents not compatible with uPVC compounds. The system shall be tested after installation through leak test for 24 hours as much as possible.

WARNING! Never test with or transport/store compressed air or gas in uPVC pipe and fittings. Doing so can result in explosive failures and cause severe injury or death.

REFERENCE STANDARD

PNS 1950:2003	:	Plastic piping systems for soil and waste discharge (Low & High temp.) inside buildings
ISO 4435: 1991	:	Unplasticised Polyvinyl Chloride (PVC-U) Unplasticized Poly (Vinyl Chloride) (PVC-U) pipes and fittings for buried drainage and sewerage systems – Specifications
ASTM D 1784	:	Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds

NOTE: Theoretical weight/s is based on a 3 meter pipe length.

NOMINAL SIZE		OUTSIDE DIAMETER (mm)		SDR 41				SDR 34			
				WALL THICKNESS (mm)		THEORETICAL WEIGHT (kgs)		WALL THICKNESS (mm)		THEORETICAL WEIGHT (kgs)	
(mm)	(in)	(min)	(max)	(min)	(max)	(min)	(max)	(min)	(max)	(min)	(max)
160	6	160	160.4	4.0	4.6	8.89	10.22	4.7	5.4	10.66	12.20
200	8	200	200.5	4.9	5.6	13.97	15.9	5.9	6.7	16.73	18.92
250	10	250	250.5	6.2	7.1	21.73	24.85	7.3	8.3	25.88	29.31
315	12	315	315.6	7.7	8.7	34.57	38.93	9.2	10.4	41.10	46.28
355	14	355	355.7	8.7	9.8	44.01	49.42	10.4	11.7	52.35	58.68
400	16	400	400.7	9.8	11.0	55.86	62.51	11.7	13.1	66.38	74.04
450	18	450	450.8	11.0	12.3	70.54	78.65	13.2	14.8	84.23	94.09



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