

SUBMITTAL FOR CHARLOTTE PIPE® PVC SDR 35 GRAVITY SEWER PIPE

Date: _____

Job Name: _____

Location: _____

Engineer: _____

Contractor: _____

► **Scope:**

This specification covers PVC Standard Dimensional Ratio (SDR) 35 PSM pipe for gravity sewer and surface water applications with a pipe stiffness of 46. This system is intended for gravity applications where the operating temperature will not exceed 140°F.

► **Specification:**

Pipe shall be manufactured from virgin rigid PVC (polyvinyl chloride) vinyl compounds with a cell class of 12364 as identified in ASTM D 1784. The requirements of this specification are intended to provide pipe suitable for non-pressure drainage and surface water.

PVC SDR 35 PSM pipe shall conform to ASTM D 3034 for gasket or solvent-weld pipe with a minimum pipe stiffness of 46. Gaskets shall conform to ASTM F 477. The term "PSM" is not an acronym, but rather an arbitrary designation for a product having certain dimensions.

► **Installation:**

Installation shall comply with the latest installation instructions published by Charlotte Pipe and Foundry and shall conform to all applicable plumbing, fire, and building code requirements. Buried pipe shall be installed in accordance with ASTM D 2321 and ASTM F 1668. Solvent cement joints shall be made in a two-step process with primer conforming to ASTM F 656 and solvent cement conforming to ASTM D 2564. The system shall be protected from chemical agents, fire-stopping materials, thread sealant, plasticized-vinyl products or other aggressive chemical agents not compatible with PVC compounds. The system shall be hydrostatically tested after installation **WARNING!** Never test with or transport/store compressed air or gas in PVC pipe or fittings. Doing so can result in explosive failures and cause severe injury or death.

► **Referenced Standards:**

ASTM D 1784	Rigid Vinyl Compounds
ASTM D 3034	PVC Gravity Sewer Pipe (SDR) 35 PS 46
ASTM D 2855	Joints for Sewer Pipe Using Solvent Cement
ASTM D 2564	Solvent Cements for PVC Pipe and Fittings
ASTM D 2321	Underground Installation of Thermoplastic Pipe (non-pressure applications)
ASTM F 477	Elastomeric Seals (Gaskets) for Joining Plastic Pipe
ASTM F 656	Primers for PVC Pipe and Fittings
ASTM F 1668	Procedures for Buried Plastic Pipe

PVC Sewer Pipe

PVC SDR 35 PSM Pipe

ASTM D 3034 & ASTM F 477

SDR-35						
GASKETED - PS 46						
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	LAYING LENGTH	WT. PER 100 FT. (LBS.)	AVG. OD (IN.)
S/M 6004G	4"x14"	11920	840'	14'-0"	110.4	4.215
S/M 6004G	4"x20"	04012	1200'	20'-0"	109.7	4.215
S/M 6006G	6"x14"	11921	392'	14'-0"	249.6	6.275
S/M 6006G	6"x20"	04016	560'	20'-0"	247.0	6.275
S/M 6008G	8"x14"	11922	140'	14'-0"	451.0	8.400
						.240

Weight is approximate and is for shipping purposes only.

Meets All Requirements of ASTM D 3034.

SDR 35 Gaskets meet or exceed ASTM F 477. Gasketed joints meet ASTM D 3212.

PVC SDR 35 PSM Pipe

ASTM D 3034 & ASTM F 477

SDR-35						
SOLVENT WELD - PS 46						
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	LAYING LENGTH	WT. PER 100 FT. (LBS.)	AVG. OD (IN.)
S/M 6004	4"x10"	04008	600'	10'-0"	108.3	4.215
S/M 6004	4"x20'	04009	1200'	20'-0"	108.3	4.215
S/M 6006	6"x10"	04013	280'	10'-0"	241.7	6.275
S/M 6006	6"x20'	04014	560'	20'-0"	241.7	6.275
						.180



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