



# Sani-21™: PVC Sewer Pipe

## SPECIFICATION DATA



### D3034 & F679 SEWER SPECIFICATION DATA

Diamond gravity sewer pipe 4 inches through 48 inches shall be made of compounds conforming to material requirements of ASTM D3034 and ASTM F679 in accordance with ASTM D1784. Diamond PVC Sewer Pipe meets all the dimensional, chemical, and physical requirements as outlined in ASTM D3034 and ASTM F679.

The pipe sizes 4 inches through 48 inches are made with an integral bell "water-tight" joint that meets the requirements of ASTM D3212 and that utilizes a Rieber gasket system for sealing that meets the requirements of ASTM F477.



Each male end shall be beveled to facilitate joining and referencing marked for proper insertion depth. Diamond furnished lubricant is to be used in the joining process.

### Physical Properties of ASTM D3034 & F679

#### Pipe Materials:

Pipe shall be made of PVC plastic having a minimum cell classification of 12454 or 12364 as defined in Specification D1784.

Property	ASTM Test	Minimum
Specific Gravity	D792	1.40
Tensile Strength, psi	D638	7,000
Tensile Modulus, psi	D638	400,000
IZOD Impact Strength,	D256	.65ft., lb./in.

### Pipe Stiffness



Pipe	Modulus	
	E = 400,000	E = 500,000
41	28	35
35	46	57
26	115	144

Standard laying lengths are 14 and 22 feet

#### SHORT FORM Specification for Diamond PVC Solid-Wall Sewer Pipe SDR 26 or SDR 35 or PS 46 or PS 115

All PVC Solid-Wall Sewer Pipe shall be made of compounds conforming to ASTM D1784 manufactured in accordance with the material requirements of ASTM D3034 or ASTM F679. All PVC Sewer Pipe must meet dimensional, chemical, and physical requirements as outlined in ASTM D3034 or ASTM F679. Joints shall meet the requirements of ASTM D3212 and shall be formed using Rieber Technology.

PVC Sewer Pipe shall be installed according to the requirements of ASTM D2321, Uni-Bell's Uni-Pub 6 and the manufacturer's recommendations.



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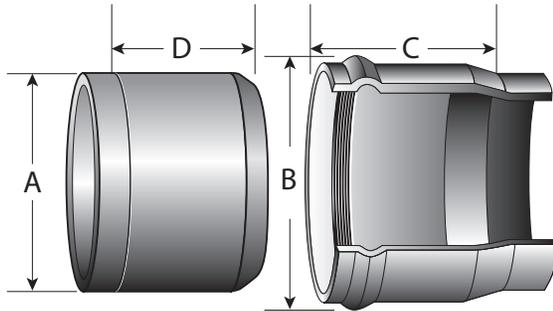


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Reiber Joint Illustration



Sani-21 is supplied in 14 foot and 22 foot laying lengths.

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## Strength

Nominal Pipe Size in. (mm)	Outside Diameter A Inches	Bell Socket Diameter B Inches	Socket Depth C Inches	Insert Mark D Inches	Wall Thickness SDR26/PS115 (t) Inches	Wall Thickness SDR35/PS46 (t) Inches	
<b>D-3034 Pipe Dimensions</b>							
4" (100)	4.215	5-1/4	4-5/8"	4"	0.162	0.120	
6" (150)	6.275	7-1/2	4-3/4"	4"	0.241	0.180	
8" (200)	8.400	9-7/8	6-1/8"	5"	0.323	0.240	
10" (250)	10.500	12-3/8	6-3/4"	5"	0.404	0.300	
12" (300)	12.500	14-5/8	7-1/4"	5-1/2"	0.481	0.360	
15" (375)	15.300	18	7-1/4"	6"	0.588	0.437	
<b>F-679 Pipe Dimensions</b>							
18" (450)	18.701	21-3/4"	9-1/2"	8-1/4"	0.671	0.499	
21" (525)	22.047	25-1/2"	10"	8-1/2"	0.791	0.588	
24" (600)	24.803	28-3/4"	11"	10"	0.889	0.661	
27" (675)	27.953	32-1/2"	11"	10"	1.002	0.745	
30" ciod (750)	32.000	37-1/4"	14"	13-1/2"	1.148	0.853	
36" ciod (900)	38.300	43-1/4"	15"	14"	1.373	1.021	
42" ciod (1050)	44.500	53"	18"	16-3/4"	1.596	1.187	
48" ciod (1200)	50.800	60"	18"	17"		1.355	

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Prices are subject to a firm policy of "Price in effect at time of shipment on regular purchases"



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