

D3034 & F679 SEWER SPECIFICATION DATA

Diamond gravity sewer pipe 4 inches through 60 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. A listing to CSA B182.2 is available for most of these sizes. A complete listing by manufacturing plant is available upon request.

The pipe sizes 4 inches through 60 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.

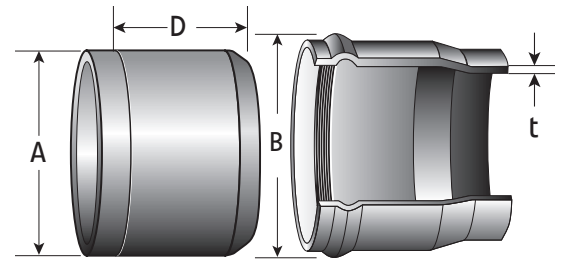
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PHYSICAL PROPERTIES OF ASTM D3034 & F679

Property	ASTM TEST	Minimum 12454/12364
PIPE MATERIALS: PIPE SHALL BE MADE OF PVC PLASTIC HAVING A MINIMUM CELL CLASSIFICATION OF 12454 OR 12364 AS DEFINED IN SPECIFICATION D1784.		
Specific Gravity	D792	1.40/1.40
Tensile Strength, psi	D638	7,000/6,000
Tensile Modulus, psi	D638	400,000/500,000
IZOD Impact Strength,	D256	.65ft., lb./in.

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.

RIEBER JOINT ILLUSTRATION



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Nominal Pipe Size in. (mm)	A Outside Diameter Inches	B Bell Socket Diameter Inches	D Insert Mark Inches	t Min. Wall Thickness SDR26/PS115 Inches	t Min. Wall Thickness PS75 Inches	t Min. Wall Thickness SDR35/PS46 Inches
D-3034 PIPE DIMENSIONS						
4" (100)	4.215	5-1/4	4"	0.162		0.120
6" (150)	6.275	7-1/2	4-1/8"	0.241		0.180
8" (200)	8.400	9-7/8	4-7/8"	0.323		0.240
10" (250)	10.500	12-3/8	5-1/4"	0.404		0.300
12" (300)	12.500	14-5/8	5-1/2"	0.481		0.360
15" (375)	15.300	18	6"	0.588		0.437
F-679 PIPE DIMENSIONS						
18" (450)	18.701	21-3/4"	7-3/4"	0.671	0.584	0.499
21" (525)	22.047	25-1/2"	8-1/2"	0.791	0.689	0.588
24" (600)	24.803	28-3/4"	10"	0.889	0.775	0.661
27" (675)	27.953	32-1/2"	11-1/8"	1.002	0.874	0.745
30" ciod (750)	32.000	37-1/4"	13-5/8"	1.148	1.000	0.853
36" ciod (900)	38.300	43-1/4"	13-7/8"	1.373	1.197	1.021
42" ciod (1050)	44.500	53"	16-3/4"	1.596	1.391	1.187
48" ciod (1200)	50.800	60"	16-7/8"	1.822	1.588	1.355
54" ciod (1350)	57.560	67"	17"	2.064	1.799	1.535
60" ciod (1500)	61.610	72"	18-1/2"	2.210	1.926	1.643

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LOADING ASTM D3034 & F679 LOADING CHART

Nominal Pipe Size in. (mm)	Outside Diameter Inches	Bundle Quantity	*Feet Per Truckload	
			14'	20'
4" (100)	4.215	69	23,184	24,288
6" (150)	6.275	24/32	10,080	11,264
8" (200)	8.400	18/24	5544/6048	5808/6336
10" (250)	10.500	12/15	3402	3564
12" (300)	12.500	16	2688	2816
15" (375)	15.300	6	1512	1584
18" (450)	18.701	2/3/4/6	1050	1100
21" (525)	22.047	4	672	704
24" (600)	24.803	4	504/672	704
27" (675)	27.953	3	378	
30" (750)	32.000	3	378/252	
36" (900)	38.300	2	168	
42" (1050)	44.500	2	168	
48" (1200)	50.800	1	84	
54" (1350)	57.560	1	42	
60" (1500)	61.610	1	42	

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

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*Tolerance of +/- 1/4" allowed