

DIAMOND PLASTICS CORPORATION

DIAMOND C900 SPECIFICATION DATA

PVC Pipe for the 21st Century™

Product Description:

Diamond (C900) PVC Pipe (4" through 12" is made of 12454 compound per ASTM D1784, in accordance with the dimensional, chemical, and physical requirements of AWWA C900.



Diamond (C900) PVC Pipe bears the mark of NSF, *International* (NSF), the listing of Underwriters Laboratory, Inc. (UL), and (DR14 & DR18) bears the listing of Factory Mutual (FM).

Diamond (C900) PVC Pipe utilizes a gasket, per ASTM F477, to seal the integral bell socket to the spigot of the next joint (which conforms to the requirements of ASTM D3139.) Each male end is beveled to facilitate joint assembly, and the spigot is referenced marked to ensure proper insertion depth. Diamond furnished lubricant is to be used in the joining process.

Diamond C900 is supplied in 20 foot lengths.

Physical Properties of PVC 12454:

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	65 ft., lb./in.

SHORT FORM Specification for Diamond C900 PVC Water Pipe

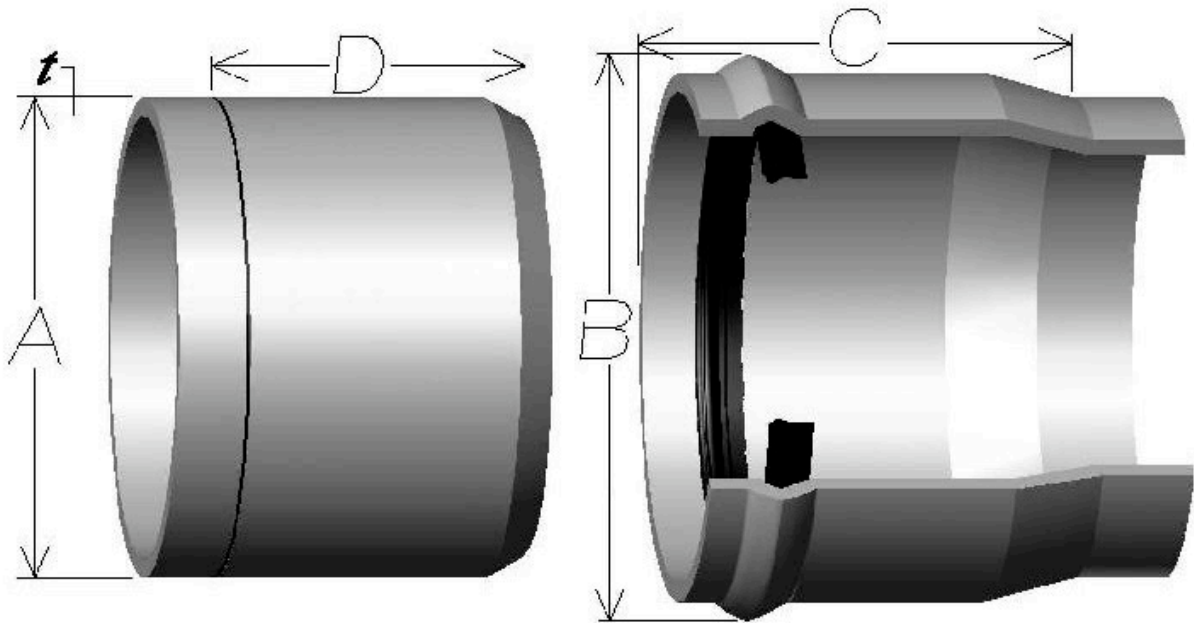
Diamond C900 PVC Water Pipe shall be made of compounds conforming to ASTM D1784 with a cell classification of 12454. Diamond C900 shall meet all the dimensional, chemical, and physical requirements as outlined in AWWA C900 and will be supplied in 20 foot laying lengths. Joints shall meet the requirements of ASTM 3139 and shall be formed using Rieber Technology. Gaskets shall meet the requirements of ASTM F477. Potable water pipe shall be manufactured from National Sanitation Foundation (NSF) approved compounds.



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Rieber Joint Illustration



20 Foot Laying Lengths
All dimensions are given in inches and (mm)

Nominal Pipe Size	Pipe Outside Diameter A	Bell Max Outer Diameter B	Bell Length C	Spigot Insert Mark D	C900 Minimum Wall (t) DR-14	C900 Minimum Wall (t) DR-18	C900 Minimum Wall (t) DR-25
4" (100)	4.800 (121.9)	6 ½"	6	5	0.343 (8.71)	0.267 (6.78)	0.192 (4.88)
6" (150)	6.900 (175.3)	9 ¼"	6.5	6	0.493 (12.52)	0.383 (9.73)	0.276 (7.01)
8" (200)	9.050 (229.9)	11 ¾"	7	6.5	0.646 (16.41)	0.503 (12.78)	0.362 (9.19)
10" (250)	11.100 (281.9)	14 ¼"	7.5	7	0.793 (20.14)	0.617 (15.67)	0.444 (11.28)
12" (300)	13.200 (335.3)	16 ¾"	8	7.5	0.943 (23.95)	0.733 (18.62)	0.528 (13.41)

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