



Technical Data



CRUMPLER'S corrugated plastic tubing and accessories meets and exceeds all specifications concerning corrugated plastic pipe. These Specifications include:

ASTM-F-405 for 3" - 6" Sizes
 ASTM-F-667 for 8" -24 " Sizes
 CS-226

Building trade specs. for septic tanks lines and foundation drainage

The specifications cited above are accepted by BOCA, ICBO, SBCC & IAPMO

SCS-606
 AASHTO-M-252 for 3" - 10" Sizes
 AASHTO-M-294 for 12" - 48" Sizes

*Farm drainage specs.
 Highway drainage specs.*

CPPA-PPI-100 for 3" - 60" Sizes

*Corrugated Polyethylene Pipe Association,
 Division of the Plastic Pipe Institute Spec.*

The pipe manufacturing specifications listed above call for corrugated plastic pipes and culverts to be extruded from an HDPE (High Density Polyethylene) Type III; Category 3, 4 or 5; Grades P-33 or P-34; Class C Polymer resin as described in ASTM-D-3350. These resins are further described in ASTM-D-1248

NOTES TO SPECIFICATION WRITERS

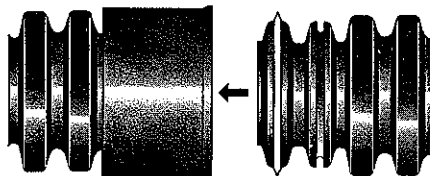
Both CPP SINGLE-WALL corrugated and CPP DUAL-WALL SMOOTH-CORE / n-10 corrugated meet the same AASHTO Pipe standards cited above. The two styles are differentiated by the addition of the letter "C" or the letter "S" to the end of the appropriate spec. The "C" indicates the "corrugated interior wall", and the "S" indicates a "smooth core interior wall". Similarly the letters "CP" indicates an interior corrugated wall that is perforated, and "SP" indicates a smooth core interior wall pipe with perforations. The AASHTO standard is based on the ASTM single wall standards cited also above. CPP pipes can be made with up to 100% re-cycled HDPE content per the test criteria in the above noted pipe standards if requested. In addition to the generic ASTM and AASHTO specifications, specification writers can also cite CPPA-PPI-100 from the CPPA-PPI (Corrugated Polyethylene Pipe Association-Plastic Pipe Institute)

CPP pipes in traffic load culvert applications shall be installed by ASTM-D-2321 with the exception that the minimum cover must be no less than one foot of compacted soil for 4" to 48". Other code references are: AASHTO-T-99, ASTM-F-477 and ASAE-EP 260.3.

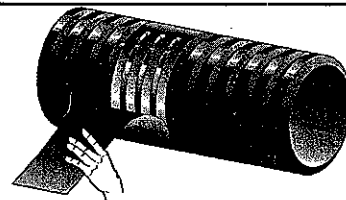
Pipe Dimensions

Normal Diameter, in (mm)

	4	6	8	10	12	15	18	24	30	36	42	48
Pipe I.D., in (mm)	(100)	(150)	(200)	(250)	(300)	(375)	(400)	(600)	(750)	(900)	(1050)	(1200)
Pipe O.D. in	4.69"	7.10"	9.30"	11.71"	14.26"	18.39"	21.30"	28.12"	35.01"	41.10"	48.06"	54.35"
C.O.D.	14.75"	22.13"	39.63"	37.50"	45.13"	58.25"	67.25"	89.50"	109.50"	131.13"	151.25"	171.25"
Pipe Weight (oz)	5.25	15.5	26.5	39.5	56	85	120	188	240	288	424	512



CPP UNI-SEAL™ WITH ONE "O" RING FOR SILT-TIGHT PROTECTION



CPP MASTIC WRAP COUPLER NON-PRESSURE, LEAK RESISTANT