

Blue Diamond

EPA CPG and LEED Qualified

Corrugated Polyethylene Pipe Specifications

<u>MATERIAL</u>	DIAMETER	ELONGATION	PIPE STIFFNESS
4" DUAL WALL SMOOTH INTERIOR	4.0"	5%	50 PII
4" SINGLE WALL	4.0"	5%	30 PII
6" DUAL WALL SMOOTH INTERIOR	6.0"	5%	50 PII
6" SINGLE WALL	6.0"	5%	30 PII
8" DUAL WALL SMOOTH INTERIOR	8.0"	5%	50 PII
8" SINGLE WALL	8.0"	5%	30 PII
10" DUAL WALL SMOOTH INTERIOR	10.0"	5%	50 PII
10" SINGLE WALL	10.0"	5%	30 PII

SPECIFICATIONS

ASTM D3350 (CELL CLASSIFICATION 424420C): STANDARD SPECIFICATION FOR PE PLASTIC PIPE AND FITTINGS MATERIALS.

100% RECYCLED POST CONSUMER OR POST INDUSTRIAL RESINS

ASTM F-405: STD. SPEC FOR CORRUGATED POLYETHYLENE PIPE AND FITTINGS

ASTM F-677: STD. SPEC FOR LARGE DIAMETER CORRUGATED PE PIPE

ASTM F-2648: STD SPEC FOR 2" TO 60" ANNULAR CORRUGATED PE PIPE FOR LAND DRAINAGE APPLICATION

Typical Properties

<u>Property</u>	<u>Test Procedures</u>	<u>Units**</u>
Density (4)	ASTM D1505	0.947 - 0.955 gm/cc
Melt Index (2)	ASTM D1238	1.0 to 0.4 gm/10 min
Flexural Modulus(4)	ASTM D790	80,000 -110,000 psi
Tensile Strength (Yield)(4)	ASTM D638	3000 - 3500 psi
Environmental Stress Crack Resistance (ESCR)(2)	ASTM D1693	24 hrs
HDB @ 73.4oF (0)*	ASTM D2837	----
UV Stabilizer (C or E)	ASTM D1603	>2%
Ultimate Elongation	ASTM D638	>400%

* Not pressure rated - Consult ASTM D3350 for specific values

** Consult ASTM Standards for acceptable tolerances.