

# Blue Diamond

## EPA CPG and LEED Qualified

### Corrugated Polyethylene Pipe Specifications

<b><u>MATERIAL</u></b>	<b>DIAMETER</b>	<b>ELONGATION</b>	<b>PIPE STIFFNESS</b>
12" DUAL WALL SMOOTH INTERIOR	12.0"	5%	50 PII
12" SINGLE WALL	12.0"	5%	30 PII
15" DUAL WALL SMOOTH INTERIOR	15.0"	5%	42PII
15" SINGLE WALL	15.0"	5%	30 PII
18" DUAL WALL SMOOTH INTERIOR	18.0"	5%	40 PII
18" SINGLE WALL	18.0"	5%	30 PII
24" DUAL WALL SMOOTH INTERIOR	24.0"	5%	34 PII
24" SINGLE WALL	24.0"	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-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.