



# ***Crumpler Plastic Pipe, Inc.***

## ***Manufacturers of Corrugated Plastic Drainage Pipe***

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### **Double Wall Smooth Core Products**

### **EPA LEED Qualified Corrugated Polyethylene Pipe Specification**

#### **Material**

	Inside Diameter	Outside Diameter	Minimum Stiffness
4" Smooth Core	4.03"	4.70"	50 pii
6" Smooth Core	6.06"	7.08"	50 pii
8" Smooth Core	8.05"	9.53"	50 pii
10" Smooth Core	10.02"	11.88"	50 pii
12" Smooth Core	12.09"	14.58"	50 pii
15" Smooth Core	15.22"	18.74"	42 pii
18" Smooth Core	18.03"	21.70"	40 pii
24" Smooth Core	24.03"	28.55"	34 pii
30" Smooth Core	29.88"	35.21"	28 pii
36" Smooth Core	36.08"	41.54"	22 pii
42" Smooth Core	42.03"	48.20"	20 pii
48" Smooth Core	48.22"	54.25"	18 pii

#### **Specifications**

ASTM D 3350: Standard Specification for PE Plastic Pipe and Fittings Materials.

-Cell Classification 424420C.

-A minimum of 20% Post Consumer and Post Industrial Recycled Resins (100% Recycled Resins available if requested)

ASTM F 2648 Standard Specification 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 D 1505	0.947 – 0.955 g/cm <sup>3</sup>
Melt Index (2)	ASTM D 1238	1.0 to 0.4 gm/10 min
Flexural Modulus (4)	ASTM D 790	80,000 – 110,000 psi
Tensile Strength at Yield (4)	ASTM D 638	3,000 – 3,500 psi
Environmental Stress Crack Resistane (2)	ASTM D 1693	24 hrs.
Hydrostatic Strength I. HDB at 23° C (0)	ASTM D 2837	Not Pressure Rated
Color & UV Stabilizer (C)	ASTM D 4218	> 2%

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