

► PE 3408/3608 IDR – POTABLE WATER PIPE
Inside Diameter Controlled HDPE
Black Pipe

12/06

Designed for pressure applications
Water Wells – Water Service

ASTM D 2239

Pressure Class	SIZE	I.D.	Minimum Wall	Weight Per 100'
PC 80 IDR – 19	1"	1.049	.060	9.20
	1-1/4"	1.380	.073	14.67
PC 100 IDR – 15	3/4"	.824	.060	7.34
	1"	1.049	.070	10.84
	1-1/4"	1.380	.092	18.74
	1-1/2"	1.610	.107	25.42
	2"	2.067	.138	42.11
	3"	3.068	.205	92.85
PC 125 IDR – 11.5	1/2"	.622	.060	5.67
	3/4"	.824	.072	8.94
	1"	1.049	.092	14.37
	1-1/4"	1.380	.120	24.94
	1-1/2"	1.610	.140	33.94
	2"	2.067	.180	56.03
PC 160 IDR – 9	3/4"	.824	.092	11.69
	1"	1.049	.117	18.92
	1-1/4"	1.380	.153	32.53
	1-1/2"	1.610	.179	44.42
	2"	2.067	.230	73.28
PC 200 IDR – 7	3/4"	.824	.118	15.44
	1"	1.049	.150	24.98
	1-1/4"	1.380	.197	43.15
	1-1/2"	1.610	.230	58.78
	2"	2.067	.295	96.79
PC 250 IDR – 5.3	1"	1.049	.198	34.37

Prices subject to change without notice.

Available in 20', 40' and 50' straight lengths, coils or mileage reels

Weights calculated per PPI -TR 7



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SPECIFICATIONS:

PE 3408/3608 Resin listed in PPI TR4
1600 psi Hydrostatic Design Basis
800 psi Hydrostatic Design Stress/ PE 3408/3608 utilizes .5 design factor
NSF Standard 14 and Standard 61
AWWA C901
ASTM D 2239
Cell Classification per ASTM D3350 = 345464C

Pressure Ratings:

All pressure ratings are a maximum PSI @ 73.4°F.
If temperatures exceed 80°F, contact Charter Plastics for a working pressure de-rating.

Joining:

Charter Plastics Black IDR pipe is made to ASTM D2239 Standards for inside diameter controlled pipe. It should be joined with barbed insert fittings and clamps. Double clamping is recommended on 1-1/2" and 2" pipe in all pressures and on all sizes of 200 and 250 psi.

You may also use special OD Compression fittings that are designed for ASTM D2239 pipe sizes. Charter recommends roughing the end of the pipe with sandpaper prior to sliding on the fitting.

Never use any lubricant on the pipe. Do not expose the pipe to direct flame.

Installing:

All Charter IDR Black Potable Water Pipe can be used for down the well applications. For underground installations, the pipe can be direct buried, plowed or pulled. Buried pipe must be supported by proper embedment material like sand or gravel. Refer to PPI's "Handbook of Polyethylene Pipe" and follow as local, state or federal guidelines.

To safely handle and store polyethylene, refer to PPI'S Material Handling Guide.

This pipe is not designed for in house use or for hot water applications.

Disinfection:

New water mains and service lines should be disinfected according to AWWA C651. The disinfection should take place after the initial flushing and pressure testing. Prolonged exposure or concentrated levels of disinfection chemicals may cause damage to the inside diameter of the pipe. The disinfection chemicals should never contain more than 12% active chlorine. Charter recommends the test duration not exceed 24 hours and that upon completion, the system be thoroughly flushed with fresh water.

Testing:

All pipes should be hydrostatically tested after installation. Pneumatic testing is not recommended.

