

**► PE 3408/3608 IDR – POTABLE WATER PIPE**  
**Inside Diameter Controlled HDPE**  
**BLUE ICE® - Natural core with blue shell**

12/06

**Designed for pressure applications**  
*Water Wells – Water Service*

**ASTM D 2239**

Pressure Class	SIZE	I.D	Minimum Wall	Weight Per 100'
PC 160 IDR 9	1"	1.049	.117	18.92
	1-1/4"	1.380	.153	32.53
PC 200 IDR 7	1"	1.049	.150	24.98

Available in straight lengths, coils or mileage reels  
 Weights calculated per PPI TR7

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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 a .5 design factor  
NSF Standard 14 and Standard 61  
AWWA C901  
ASTM D 2239  
Cell Classification per ASTM D3350 = 345464E

**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 Blue Ice 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 Blue Ice 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 pipe should be hydrostatically tested after installation. Pneumatic testing is not recommended.

