Charter Plastics
Polyethylene. Pipe. Partners.

[1]

►PE 3408/<u>3608</u> CTS – *POTABLE WATER TUBING* 12/06

Copper Tube Size HDPE
Black

<u>Designed for pressure applications</u>

Water Service **ASTM D 2737**

Pressure Class	SIZE	O.D.	Minimum Wall	Weight Per 100'
PC 200 DR 9	¾" 1" 1-1/4" 1-1/2" 2"	. 875 1.125 1.375 1.625 2.125	.097 .125 .153 .181 .236	10.26 16.94 25.35 35.46 60.54

Weight Calculations are based on PPI TR7
Available in straight lengths, coils or mileage reels

[1] 07 PE 34083608 CTS BLACK

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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 2737
Cell Classification per ASTM D3350 = 345464C

Pressure Ratings:
All pressure ratings are a maximum PSI @ 73.4ºF.
If temperatures exceed 80ºF, contact Charter Plastics for a working pressure de-rating.

Joining:
Charter Plastics CTS tubing is made to ASTM D2737 Standards for outside diameter controlled pipe. Heat fusion is the preferred method for joining this pipe. All personnel conducting heat fusion should be experienced and follow guidelines published by the pipe manufacturer or by PPI in TR33. CTS may also be joined with OD Mechanical fittings designed for pipe made to ASTM D2737 Standards. A stiffener should be inserted when using OD Compression type fittings.

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

Installing:
All Charter CTS tubing 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.

Safe Handling:
To safely handle and store polyethylene pipe, refer to PPI's "Material Handling Guide".

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.

NSF PLASTICS·PIPE·INSTITUTE® AWWA MEMBER