

# PE 4710 CTS – RECLAIMED WATER TUBING

## Designed for: Reclaimed Water Service – NON POTABLE

- Copper Tube Size - HDPE
- Lavender Ice® – Lavender shell with natural core



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### Specifications:

- PE 4710 Resin formulation listed in PPI TR4
- Hydrostatic Design Basis: 1600 psi @ 73 ° F, 1000 psi @ 140° F
- Cell Classification per ASTM D3350 = 445574E and 445576E
- ASTM D2737
- Tubing is made from NSF Listed Resin Formulations

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### Pressure Ratings:

ANSI/AWWA C901: CTS SDR 9, PC 250 @ 80° F  
ASTM D2737: CTS SDR 9, 250 PSI @ 73° F

### Joining:

Charter Plastics Lavender Ice CTS tubing is made to ASTM D2737 Standards for outside diameter controlled pipe. Heat fusion may be used for joining this pipe but has limited tooling availability. 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 Stab Fittings and 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 Plastics 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 use inside the building or for hot water applications.**

### Testing:

All pipe should be hydrostatically tested after installation.

**Pneumatic testing is not recommended.**

Refer to PPI's Handbook of Polyethylene Pipe for Guidelines.



Pipe for a New World.

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CTS PRESSURE CLASS	SIZE	O.D.	MINIMUM WALL	WEIGHT PER FT
PC 250 SDR 9	.75"	.875	.097	.103
	1"	1.125	.125	.170
	1.25"	1.375	.153	.255
	1.50"	1.625	.181	.356
	2"	2.125	.236	.609

Weight calculations per PPITR7

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