

WL116 WL Plastics Pipe Standards

Industry Standards for WL Plastics Pipe

WL Plastics produces solid wall polyethylene (PE) pressure pipe in CTS sizes ½ to 1-¼, IPS sizes ½ to 54, and DIPS sizes 4 to 54 in accordance with industry standards such as API, ASTM, AWWA, FM, and AASHTO standards listed below. WL Plastics can also manufacture PE pipe to custom standards, or proprietary standards or specifications. Contact WL Plastics sales for information on pricing, and availability.

Industry standards are geared toward pipe applications and may differ in requirements for materials, sizes, dimensions, tolerances, performance and marking. Pipe made to an industry standard for one application may not be suitable for a different application. Federal, state, and local regulations may specify a specific standard. Pipe made to a standard different than what the regulation specified may be unacceptable to the jurisdictional authority. Before placing an order with WL Plastics, please confirm that the pipe specified is acceptable to the regulating authority. WL Plastics offers pre-sale specification review service without charge. **All sales are subject to WL125 WL Plastics Terms and Conditions of Sale.**

Industry Standard	Table Notes	Sizing System	Sizes Covered	DR Range	Application
API 15LE	1, 2	IPS	½ - 54	5 - 32.5	US Non-Regulated Oil & Gas Gathering, Process Water
ASTM D 2513	1, 2	CTS IPS	¾ - 1-¾ ½ - 24	Min. Wall 6 - 32.5	US Regulated Oil & Gas Gathering and Gas Distribution & Transmission
ASTM F 2619	1	IPS	½ - 54	7 - 32.5	US Non-Regulated Oil & Gas Gathering, Process Water
CSA B137.1	1	CTS IPS	¾ - 1-½ ¾ - 24	Min. Wall 8.8 - 21	Canada Regulated Oil & Gas Gathering and Gas Distribution & Transmission
ASTM D 3035	3, 4, 5	IPS	½ - 3	7 - 32.5	Pressure & non-pressure fluids; potable water, municipal & industrial water; sewer & culvert; rehabilitation; geothermal; heat transfer
ASTM F 714	1, 3, 4, 5	IPS DIPS	4 - 65 3 - 60	7 - 41 3.6 - 21	
AWWA C901	3, 4, 5	IPS	¾ - 3	9	US potable water service & distribution
AWWA C906	3, 4, 5	IPS DIPS	4 - 65 4 - 36	7 - 32.5 7 - 32.5	US potable water distribution & transmission, sewer, and storm water
CSA B137.1	4	NPS	2 - 6	Series 50-200	Canada Potable Water
FM1813	5, 6	IPS	4 - 36	Class 200, 250, 335	Underground fire main
AASHTO M-326	7	IPS	12 - 54	26, 32.5, 41	Sewer & culvert slip-lining

- PE pipe for non-regulated oil and gas gathering can be made in accordance with API 15LE, ASTM F2619, or ASTM F714. Regulated gas gathering and distribution PE pipe in the US must be made in accordance with ASTM D2513. Regulated gas gathering pipe for use in Canada requires API 15LE or CSA B137.1.
- ASTM D2513 pipe and tubing for gas distribution is available in yellow (PE2708) or black with yellow stripes (PE4710). Pipe made to ASTM D2513 also complies with AP 15LE.
- General purpose PE pipe may be made in accordance with ASTM F714, ASTM D3035, AWWA C901, AWWA C906, or AASHTO M-326. When produced to comply with more than one standard, compatibility is limited to the most restrictive application, material, size, DR and requirement(s) in the compatible standards. General purpose PE pipe is not allowed to be used for regulated gas gathering, gas distribution, or gas transmission.
- Potable water pipe in the US can be made in accordance with ASTM D3035, ASTM F714, AWWA C901, or AWWA C906. Potable water pipe for use in Canada requires CSA B137.1. Pipe made to AWWA C901 also complies with ASTM D3035. Pipe made to AWWA C906 also complies with ASTM F714.
- Potable water and geothermal applications require NSF-61 certified PE compound. All WL Plastics facilities are NSF-61 certified. NSF-14 certified pipe is available from WL Plastics Elizabethtown, KY, Rapid City, SD, Cedar City, UT, and Titusville, PA facilities.
- WL Plastics FM Approved pipe complies with AWWA C906 and NFPA 24. NSF-61 certification for underground fire main is available upon request.
- AASHTO M-326 PE pipe is limited to rehabilitation lining applications. It is available in DR 26 and 32.5. DR 41 is available by special order.

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