

WL116 WL Plastics Pipe Standards



Industry Standards for WL Plastics Pipe

WL Plastics HDPE pipe is produced to Customer Purchase Order specifications, and may be limited by industry standards and third party certifications. WL Plastics typically manufactures pipe in accordance with the API, ASTM, AWWA, FM, NSF and AASHTO standards listed below. Upon request and review by WL Plastics prior to order, pipe may be special order manufactured to other industry standards, or custom standards, or proprietary standards or specifications. Contact WL Plastics Customer Service for information, pricing, and availability. Some lower DR's are not available in larger sizes. **Related WL Plastics literature: IPS Pipe Sizes – WL102; DIPS (DIOD) Pipe Sizes – WL104; PE Compounds – WL106; Internal, surge and external (vacuum) pressure ratings – WL118.**

Industry standards are for different service applications, may or may not be compatible with each other, and differ in requirements for materials, sizes, dimensions, tolerances, performance and marking; therefore, pipe made to an industry standard for one service application may be unsuitable for a different service or application although the material and size may be the same. Regulations and Codes frequently require compliance with specific standards, and pipe not so marked may be unacceptable to the jurisdictional authority. Before placing an order, confirm that the pipe specified is acceptable to the jurisdictional authority. WL Plastics offers pre-sale specification review service without charge. Upon receipt, inspect and verify that the pipe received conforms to the Customer Purchase Order. **All sales are subject to WL125 WL Plastics Terms and Conditions of Sale.**

Industry Standard	Table Notes	Sizing System	OD Size	DR	Application
API 15LE	1	IPS	¾ – 54 in	7 – 32.5	Oil & gas gathering/distribution
ASTM D 2513	1, 2	IPS	¾ - 24 in	7 – 32.5	Jurisdictional gas gathering/distribution
ASTM F 2619	1	IPS	¾ – 54 in	7 – 32.5	Oil & gas gathering/process water
ASTM D 3035	3, 4, 7	IPS	¾ - 24 in	7 – 32.5	Pressure & non-pressure fluids; municipal & industrial water; sewer & culvert; rehabilitation; geothermal; heat transfer
ASTM F 714	1, 3, 4, 7	DIPS	4 – 30 in	Class 100, 150, 200, 250, 300, 350	
AWWA C901	3, 4, 7	IPS	¾ – 3 in	9 – 21	Water service & distribution
AWWA C906	3, 5, 7 3, 5	IPS DIOD (DIPS)	4 – 54 in 4 – 30 in	7 – 32.5 Class 100, 150, 200, 250	Water distribution & transmission
FM1613	5, 6	IPS	4 – 36 in	Class 150, 200, 267	Underground fire main
NSF-61 & 14	1, 7		(See table notes)		Potable water
AASHTO M-326	8	IPS	12 – 54 in	26, 32.5, 41	Sewer & culvert sliplining
CSA B137.1	7	NPS	2 – 6	Series 50-200	Potable Water

1. PE pipe for non-jurisdictional oil and gas gathering may be API 15LE and ASTM F2619 and/or ASTM F714. Jurisdictional gas gathering in the US requires ASTM D2513. Jurisdictional gas gathering in Canada requires API 15LE. **ASTM D2513, API 15LE and ASTM F2619 pipe is not for potable water use that is subject to municipal code regulations. NSF potable water certification is not available for API 15LE, ASTM D2513 and ASTM F2619 pipe.**
2. WL Plastics ASTM D2513 PE pipe for gas distribution in the US is available on special order only. **Per ASTM D2513, optional yellow stripes are available; colors other than yellow are not permitted.**
3. General purpose PE pipe may be ASTM F714 and/or ASTM D3035 and/or AWWA C901 and/or AWWA C906 and/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 in jurisdictional gas gathering, gas distribution or gas transmission.
4. OD controlled sizes only. Compatible with 3-in and smaller ASTM D3035, and 4-in and larger ASTM F714.
5. PE4710 ratings now applicable.
6. By certification agreement with FM approvals, FM Approved pipe is manufactured in accordance with FM1613 and is available only in the sizes and pressure classes specified in WL130/130M. Per FM1613, WL Plastics FM Approved pipe complies with AWWA C906-15. WL Plastics FM Approved pipe complies with NFPA 24. NSF-61 certification for potable water service fire main available upon request. Underground service only.
7. Potable water and geothermal applications require NSF-61 certified PE compound. Specify NSF-61 certification when ordering. NSF-14 certified pipe available from Elizabethtown, KY, Rapid City, SD and Cedar City, UT as follows (Note special sizes and some diameters and DR's excluded. Contact Customer Service for specific listing information.) – ASTM D3035 PE4710 IPS 2-24 DR 7-32.5; ASTM F714 PE4710 IPS 3-24 DR 7.3-41; AWWA C901 PE4710 IPS 2-3 DR 7.3-21; AWWA C906 PE4710 IPS 4-24 DR 7.3-32.5; CSA B137.1 PE4710 NPS 3-6 Series 50-200.
8. AASHTO M-326 PE pipe is limited to rehabilitation lining applications; available in DR 26 and 32.5; DR 41 special order.

DISCLAIMER: WL Plastics Corp. disclaims all responsibility and liability for products that are incorrectly or incompletely specified on the Purchase Order received by WL Plastics. The Purchaser designated on the Purchase Order is solely responsible for the Purchase Order received by WL Plastics. WL Plastics liability shall in no event exceed limited liability in accordance with WL125 WL Plastics Terms and Conditions of Sale. Changes to this publication may occur from time to time without notice. Contact WL Plastics Corp. to determine if you have the most current edition.