

High Density Polyethylene Pipe for Oil and Gas



PTM
Pipe that connects
solutions



Oil & Gas

PTM® high density polyethylene (HDPE) pipe for oil and gas distribution applications is manufactured and meets product standards and requirements: **ASTM F2619** “Standard Specification for High Density Polyethylene (PE) Line Pipe”, **ASTM F714** “Standard Specification for Polyethylene (PE) Plastics (DR-PR) Based on Outside Diameter Pipe”, **ASTM D2513** “Standard Specification for Polyethylene (PE) Gas Pressure Pipe, Tubing and Fitting”, and **API 15 LE** “Specification for Polyethylene Line Pipe (PE).

Products are available in sizes (IPS) from 1/2- inch to 24-inch in diameter. Standard pipe lengths are 40 or 50 feet and coils are available from products 4-inch in diameter and below; however, special lengths and coils may be available upon customer request and after proper technical verification.

CHARACTERISTICS AND ADVANTAGES

PTM® HDPE pipe is suitable and the preferred solution for oil and gas distribution applications. It is manufactured in black color under the highest quality standards and using cutting edge technology equipment. **PTM®** HDPE pipe has high impact resistance, even under low temperatures, and is resistant to corrosive chemicals and aggressive soils. It is a flexible product, easy to handle, install and joint fuse due to longer lengths and even surface finish. Other benefits include: corrosion resistance, extreme weather resistance, slow crack growth resistance, abrasion resistance, flexibility for earthquake prone areas, satisfactory fusion joints, and long service life.

RAW MATERIALS

PTM® HDPE pipe is manufactured with 100% virgin PE4710 bi-modal resin material that is classified according to ASTM D3350 and is properly listed with PPI (TR-4) as EAC-5P-002 / E6210C BLK, which holds a recommended hydrostatic design basis for sustained water pressure.

JOINT FUSE

PTM® HDPE pipe for oil and gas distribution applications can be easily joined through diverse fusion methods, like electro-fusion, socket fusion, butt fusion, among other, at the discretion of the installation company. With proper installation, **PTM®** pipe lines provide guaranteed leak free joints.

EASY INSTALLATION

PTM® HDPE Pipe has long laying length, is light weight and highly flexible, adapting to irregular terrain and supporting dynamic loads. This reduces the need for further fitting requirements on directional changes, which in turn facilitates installation and reduces costs.

QUALITY CONTROL

All **PTM®** pipe is tested in accordance with the applicable standards and specifications in an in-house accredited laboratory per ISO 17025. Additionally, the quality and performance of **PTM®** pipe is tested and complies with extra internal requirements that meet and exceed customer expectations. **PTM®** is an ISO 9001:2015 certified company.



DIMENSIONS TABLE (INCHES)

IPS PIPE OUTSIDE DIAMETER (DN)	OUTSIDE DIAMETER (De)	RD 7 Wall Thickness (min e)	RD 7.3 Wall Thickness (min e)	RD 9 Wall Thickness (min e)	RD 11 Wall Thickness (min e)	RD 13.5 Wall Thickness (min e)	RD 15.5 Wall Thickness (min e)	RD 17 Wall Thickness (min e)	RD 21 Wall Thickness (min e)	RD 26 Wall Thickness (min e)	RD 32.5 Wall Thickness (min e)
1/2"	0.840	0.120	0.114	0.093	0.076						
3/4"	1.050	0.150	0.146	0.117	0.095						
1"	1.315	0.188	0.181	0.146	0.120	0.097					
1 1/4"	1.660	0.237	0.228	0.184	0.151	0.123					
1 1/2"	1.900	0.271	0.260	0.211	0.173	0.141					
2"	2.375	0.339	0.327	0.264	0.216	0.176	0.153	0.140			
2 1/2"	2.874	0.409	0.394	0.319	0.260	0.213	0.185	0.169			
3"	3.500	0.500	0.480	0.389	0.318	0.259	0.226	0.206	0.167		
4"	4.500	0.643	0.618	0.500	0.409	0.333	0.290	0.265	0.214		
6"	6.625	0.946	0.909	0.736	0.602	0.491	0.427	0.390	0.315	0.255	0.204
8"	8.625	1.232	1.181	0.958	0.784	0.639	0.556	0.507	0.411	0.332	0.265
10"	10.750	1.536	1.472	1.194	0.977	0.796	0.694	0.632	0.512	0.413	0.331
12"	12.750	1.821	1.748	1.417	1.159	0.944	0.823	0.750	0.607	0.490	0.392
14"	14.000	2.000	1.917	1.556	1.273	1.037	0.903	0.824	0.667	0.538	0.431
16"	16.000	2.286	2.197	1.778	1.455	1.185	1.032	0.941	0.762	0.615	0.492
18"	18.000	2.571	2.465	2.000	1.636	1.333	1.161	1.059	0.857	0.692	0.554
20"	20.000	2.857	2.744	2.222	1.818	1.481	1.290	1.176	0.952	0.769	0.615
22"	22.000	3.143	3.016	2.444	2.000	1.630	1.419	1.294	1.048	0.846	0.677
24"	24.000	3.429	3.287	2.667	2.182	1.778	1.548	1.412	1.143	0.923	0.738

CERTIFIED
COMPANY
ISO 9001:2015



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