



MDPE Pipe for Regulated Natural Gas, LPG and Propane Applications

Lowest Total Cost of Ownership

Lowest life cycle cost of any piping material when accounting for all costs: direct, indirect and operational costs

Installation Flexibility – So Many Choices

Durable, lightweight and flexible paves way for trench and trenchless installation methods whether above, below grade or under rivers, lakes and obstacles

Tracking and Traceability

MDPE Pipe are marked per ASTM D2513 and adhere to DOT 49 CFR Part 192 regulations for plastic pipe tracking and traceability via a 16 digit scannable character code generated per ASTM F2897

50+ Year Rated – Same Pipe New and Old

Hydrostatic design basis is established per ASTM D2837 to provide high confidence interval of lifetime material performance

Consistent Pipe Joint Solution

Fusion joints are leak-free, fully restrained, homogenous, and repeatable through the innovative butt, socket, saddle and electrofusion joining methodology of ASTM F2620 and ASTM F1290 – When equipped with a Data Logging Device, joint information become fully transparent and worry-free

Seismic Resistant Pipe

PE material's high strain allowance combined with the lowest force generation provides a critical lifeline and complete piping solution to seismically active regions

Please Contact for Additional Technical Information or Tailored Presentation

NORTHERN CALIFORNIA
511 Tunnel Avenue
Brisbane, CA 94005
415.467.4630
PFDistributors.com

NEVADA
675-B Edison Way
Reno, NV 89502
775.856.1888

SOUTHERN CALIFORNIA
1304 E. San Bernardino Ave
San Bernardino, CA 92408
909.799.7800

CENTRAL CALIFORNIA
4039-C Well Tech Way
Bakersfield, CA 93308
661.589.7300

Medium Density Polyethylene Pipe Common Sizing

MDPE - PE 80/2708

MDPE - IPS Sizing		DR 9.33			DR 11			DR 11.5			DR 13.5		
Pressure Rating		120 psi			100 psi			95 psi			80 psi		
Pipe Size	Actual OD	Min. Wall	Avg. ID	Weight	Min. Wall	Avg. ID	Weight	Min. Wall	Avg. ID	Weight	Min. Wall	Avg. ID	Weight
in.	in.	in.	in.	lb/ft	in.	in.	lb/ft	in.	in.	lb/ft	in.	in.	lb/ft
1/2	0.84	0.090	0.649	0.09	0.076	0.678	0.08	0.073	0.685	0.08	0.062	0.708	0.07
3/4	1.05	0.113	0.811	0.14	0.095	0.848	0.12	0.091	0.856	0.12	0.078	0.885	0.10
1	1.315	0.141	1.016	0.22	0.120	1.062	0.19	0.114	1.073	0.19	0.097	1.108	0.16
1 1/4	1.66	0.178	1.283	0.35	0.151	1.340	0.31	0.144	1.354	0.29	0.123	1.399	0.25
1 1/2	1.90	0.204	1.468	0.46	0.173	1.534	0.40	0.165	1.550	0.39	0.141	1.602	0.33
2	2.375	0.255	1.835	0.73	0.216	1.917	0.63	0.207	1.937	0.60	0.176	2.002	0.52
3	3.50	0.375	2.705	1.58	0.318	2.825	1.36	0.304	2.855	1.31	0.259	2.950	1.13
4	4.50	0.482	3.477	2.61	0.409	3.633	2.26	0.391	3.670	2.17	0.333	3.793	1.87
6	6.63	0.711	5.124	5.66	0.603	5.352	4.90	0.577	5.408	4.70	0.491	5.589	4.07
8	8.63	0.925	6.669	9.59	0.785	6.967	8.29	0.750	7.039	7.97	0.639	7.275	6.89
10	10.75	1.152	8.307	14.88	0.977	8.678	12.87	0.935	8.768	12.37	0.796	9.062	10.69
12	12.75	1.367	9.853	20.94	1.159	10.293	18.10	1.109	10.400	17.40	0.944	10.748	15.04

Pipe sizing per ASTM D2513 . Pressure Class calculations based on 0.4 DF at 73F per DOT 49 CFR §192.121. Average ID is approximate. Weights calculated based on PPI TR-7.

MDPE - IPS Sizing		DR 7			DR 9			DR 10			DR 15.5		
Pressure Rating		125 psi			120 psi			110 psi			60 psi		
Pipe Size	Actual OD	Min. Wall	Avg. ID	Weight	Min. Wall	Avg. ID	Weight	Min. Wall	Avg. ID	Weight	Min. Wall	Avg. ID	Weight
in.	in.	in.	in.	lb/ft	in.	in.	lb/ft	in.	in.	lb/ft	in.	in.	lb/ft
2	2.375	0.339	1.656	0.93									
3	3.50	0.500	2.440	2.01	0.389	2.676	1.63						
4	4.50	0.643	3.137	3.33	0.500	3.440	2.69	0.450	3.546	2.45	0.290	3.885	1.65
6	6.63	0.947	4.622	7.22	0.737	5.068	5.84	0.663	5.224	5.33	0.428	5.723	3.58
8	8.63	1.233	6.016	12.24	0.959	6.597	9.90	0.863	6.800	9.03	0.557	7.450	6.07
10	10.75				1.194	8.218	15.36	1.075	8.471	14.01	0.694	9.280	9.42
12	12.75							1.275	10.047	19.70	0.823	11.006	13.25

Pipe sizing per ASTM D2513 . Pressure Class calculations based on 0.4 DF at 73F per DOT 49 CFR §192.121. Average ID is approximate. Weights calculated based on PPI TR-7.

Molded and Fabricated Fittings

MDPE – PE 80/2708

MDPE Pipe (3/4" – 12")
Electrofusion
Fusion Equipment and Tools
Bead Trimmer
Custom Fabrication

Elbows
Tees
Branch/Service Saddle
Tapping Tee
Caps and Couplers

Trasition Fittings
Poly Valves
Blind Flange

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