

DRISCOPEX® 6400 Series

DRISCOPEX® 6400 Series Oil and Gas Gathering HDPE Pipe



DRISCOPEX® HDPE Pipe is available to meet your needs in compliance with ASTM D2513 and API 15LE product standards.

Produced from only the highest rated HDPE pipe material, DRISCOPEX® 6400 Series Pipe is manufactured from PE4710 resin as listed in PPI-TR4 and is known for its durability, chemical and abrasion resistance.

DRISCOPEX® HDPE Pipe Applications:

- ✓ Oil
- ✓ Gas
- ✓ Coal
- ✓ Methane
- ✓ Raw Water
- ✓ Brine Water
- ✓ Landfill
- ✓ Leachate
- ✓ Process Water
- ✓ Shale Recovery
- ✓ Process Slurry
- ✓ Dewatering

DriscoPlex® Series Pipe Material Physical Properties

Property	Standard	Typical Value
Material Designation	ASTM D2513	PE 4710
Cell Classification	ASTM D3350	445574C (Black)
Density [4]	ASTM D1505	0.960 g/cc (Black)
Melt Index [4]	ASTM D1238	0.08 g/10 min
Flexural Modulus [5]	ASTM D790	>120,000 psi
Tensile Strength [5]	ASTM D638 Type IV	>3,500 psi
SCG (PENT) [7]	ASTM F1473	>500 hours
HDB at 73°F (23°C) [4]	ASTM D2837	1,600 psi
Color; UV stabilizer [C]	ASTM D3350	Black

This is not a product specification and does not guarantee or establish specific minimum or maximum values or manufacturing tolerance for material or piping products to be supplied. Values obtained from tests of specimens taken from piping product may vary from these typical values.

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Pressure Ratings for Water, Brine & Dry Natural Gas Applications

Common Dimension Ratios for DriscoPlex [®] 6400 IPS Pipe																			
Pressure Rating for Water, Brine & Dry Natural Gas Applications																			
IPS		DR 6			DR 7			DR 9			DR 11			DR 13.5			DR 17		
PE4710		PR = 400 psi			PR = 335 psi			PR = 250 psi			PR = 200 psi			PR = 160 psi			PR = 125 psi		
Pipe Size in.	OD, in.	Min. Wall, in.	Avg. ID, in.	Wgt. lbs/ft	Min. Wall, in.	Avg. ID, in.	Wgt. lbs/ft	Min. Wall, in.	Avg. ID, in.	Wgt. lbs/ft	Min. Wall, in.	Avg. ID, in.	Wgt. lbs/ft	Min. Wall, in.	Avg. ID, in.	Wgt. lbs/ft	Min. Wall, in.	Avg. ID, in.	Wgt. lbs/ft
1"	1.315	0.219	0.851	0.33	0.188	0.916	0.29												
1 1/4"	1.66	0.277	1.073	0.52	0.237	1.158	0.46	0.184	1.270	0.37	0.151	1.340	0.31	0.123	1.399	0.26			
1 1/2"	1.90	0.317	1.228	0.69	0.271	1.325	0.61	0.211	1.453	0.49	0.173	1.533	0.41	0.141	1.601	0.34			
2"	2.375	0.396	1.535	1.07	0.339	1.656	0.95	0.264	1.815	0.77	0.216	1.917	0.64	0.176	2.002	0.53	0.140	2.078	0.43
3"	3.50	0.583	2.264	2.33	0.500	2.440	2.06	0.389	2.675	1.66	0.318	2.826	1.39	0.259	2.951	1.16	0.206	3.063	0.94
4"	4.50	0.750	2.910	3.85	0.643	3.137	3.40	0.500	3.440	2.75	0.409	3.633	2.31	0.333	3.794	1.92	0.265	3.938	1.55
6"	6.625	1.104	4.285	8.35	0.946	4.619	7.37	0.736	5.065	5.96	0.602	5.349	5.00	0.491	5.584	4.15	0.390	5.798	3.36
8"	8.63	1.438	5.576	14.15	1.232	6.013	12.50	0.958	6.594	10.11	0.784	6.963	8.47	0.639	7.270	7.04	0.507	7.550	5.69
10"	10.75	1.792	6.951	21.98	1.536	7.494	19.42	1.194	8.219	15.70	0.977	8.679	13.16	0.796	9.062	10.93	0.632	9.410	8.83
12"	12.75	2.125	8.245	30.92	1.821	8.889	27.31	1.417	9.746	22.08	1.159	10.293	18.51	0.944	10.749	15.38	0.750	11.160	12.43
14"	14.00				2.000	9.760	32.93	1.556	10.701	26.63	1.273	11.301	22.32	1.037	11.802	18.54	0.824	12.253	14.98
16"	16.00				2.286	11.154	43.01	1.778	12.231	34.78	1.455	12.915	29.15	1.185	13.488	24.22	0.941	14.005	19.57
18"	18.00				2.571	12.549	54.43	2.000	13.760	44.02	1.636	14.532	36.89	1.333	15.174	30.65	1.059	15.755	24.77
20"	20.00				2.857	13.943	67.20	2.222	15.289	54.34	1.818	16.146	45.54	1.481	16.860	37.84	1.176	17.507	30.58
22"	22.00				3.143	15.337	81.32	2.444	16.819	65.75	2.000	17.760	55.10	1.630	18.544	45.79	1.294	19.257	37.00
24"	24.00				3.429	16.731	96.77	2.667	18.346	78.25	2.182	19.374	65.58	1.778	20.231	54.49	1.412	21.007	44.03
26"	26.00							2.889	19.875	91.84	2.364	20.988	76.96	1.926	21.917	63.95	1.529	22.759	51.67
28"	28.00							3.111	21.405	106.51	2.545	22.605	89.26	2.074	23.603	74.17	1.647	24.508	59.93
30"	30.00							3.333	22.934	122.27	2.727	24.219	102.47	2.222	25.289	85.14	1.765	26.258	68.8
32"	32.00										2.909	25.833	116.58	2.37	26.976	96.87	1.882	28.01	78.28
34"	34.00										3.091	27.447	131.61	2.519	28.66	109.36	2	29.76	88.37
36"	36.00										3.273	29.061	147.55	2.667	30.346	122.6	2.118	31.51	99.07

This product flyer is intended for reference purposes. It should not be used in place of the advice from a licensed Professional Engineer. Pressure Rating is based on an operating temperature of 73°F for water, brine and dry natural gas applications. For wet natural gas or liquid hydrocarbons in excess of 2% concentration, apply a 0.5 design factor to the listed pressure rating above. Pipe weights are calculated in accordance with PPI TR-7. Average inside diameter is calculated using Nominal OD and Minimum wall plus 6% for use in estimating fluid flow. Actual ID will vary. When designing components to fit the pipe ID, refer to pipe dimensions and tolerances in the applicable pipe manufacturing specification.

Additional Sizes and DR available. Contact Performance Pipe or visit www.performancepipe.com