

## DRISCOPLEX® 4000/4100 Series PE Piping

### DRISCOPLEX® 4000/4100 Series Municipal and Industrial HDPE Pipe



DRISCOPLEX® HDPE Pipe is available to meet your needs in compliance with ASTM D3035/AWWA C901 or ASTM F714/AWWA C906 and NSF/ANSI 61 product standards. Factory Mutual FM1613 product standard is also available.

Produced from only the highest rated HDPE pipe material, DRISCOPLEX® 4000/4100 Series Pipe is manufactured from PE4710 resin as listed in PPI-TR4.

#### DRISCOPLEX® HDPE Pipe Advantages:

- ✓ Durable
- ✓ Leak Tight
- ✓ Excellent Flow
- ✓ Low Surge
- ✓ Fatigue Free
- ✓ Impact Resistant
- ✓ Trenchless Install
- ✓ Bend Radius
- ✓ Chemical Resistant
- ✓ UV Protection
- ✓ Flexibility
- ✓ Environmental

Optional Color Stripes to Identify the Application	
Color	Application
Blue	Potable Water
Green	Wastewater
Purple	Treated Effluent, Reclaimed Water
Red	Factory Mutual, Underground Fire Main
White – Gray – Brown	Customer Specified

Standard product is solid black with no stripes. IPS – 4 single stripes / DIPS – 3 sets of dual stripes.



## DRISCOPLEX<sup>®</sup> 4000/4100 Series PE Piping

DriscoPlex <sup>®</sup> Series Pipe Material Physical Properties		
Property	Standard	Typical Value†
Material Designation	ASTM F714	PE4710
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	>3500 psi
SCG (PENT) [7]	ASTM F1473	>500 hours
HDB at 73°F (23°C) [4]	ASTM D2837	1600 psi
Color; UV stabilizer [C] [E]	ASTM D3350	Black Color with UV Stabilizer

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.

***Additional Sizes and DR available. Contact Performance Pipe or visit [www.performancepipe.com](http://www.performancepipe.com)***

Selected Dimension Ratios for DriscoPlex <sup>®</sup> 4000 DIPS Pipe (Additional Sizes and DR's available. Contact Performance Pipe)							
DIPS		DR 17			DR 11		
ASTM F714 PR		PR = 125 psi			PR = 200 psi		
AWWA C906 PC		PC = 100 psi			PC = 160 psi		
Pipe Size, in.	OD, in.	Min Wall in.	Avg. ID in.	Wgt. lbs/ft	Min Wall in.	Avg. ID in.	Wgt. lbs/ft
4	4.80	0.282	4.201	1.76	0.436	3.876	2.62
6	6.90	0.406	6.040	3.64	0.627	5.571	5.42
8	9.05	0.532	7.921	6.26	0.823	7.305	9.33
10	11.10	0.653	9.716	9.42	1.009	8.961	14.03
12	13.20	0.776	11.554	13.32	1.200	10.656	19.84
14	15.30	0.900	13.392	17.89	1.391	12.351	26.65
16	17.40	1.024	15.230	23.14	1.582	14.046	34.47
18	19.50	1.147	17.068	29.07	1.773	15.741	43.30
20	21.60	1.271	18.906	35.66	1.964	17.436	53.13
24	25.80	1.518	22.583	50.88	2.345	20.829	75.77
30	32.00	1.882	28.009	78.28	2.909	25.833	116.58
36	38.30	2.253	33.524	112.13	3.482	30.918	167.02
42	44.50	2.618	38.951	151.37			

Selected Dimension Ratios for DriscoPlex <sup>®</sup> 4100 IPS Pipe (Additional Sizes and DR's available. Contact Performance Pipe)							
IPS		DR 17			DR 11		
ASTM F714 PR		PR = 125 psi			PR = 200 psi		
AWWA C906 PC		PC = 100 psi			PC = 160 psi		
Pipe Size, in.	OD, in.	Min Wall in.	Avg. ID in.	Wgt. lbs/ft	Min Wall in.	Avg. ID in.	Wgt. lbs/ft
2	2.375	0.140	2.078	0.43	0.216	1.917	0.64
3	3.50	0.206	3.063	0.94	0.318	2.826	1.39
4	4.50	0.265	3.938	1.55	0.409	3.633	2.31
6	6.63	0.390	5.798	3.36	0.602	5.349	5.00
8	8.63	0.507	7.550	5.69	0.784	6.963	8.47
10	10.75	0.632	9.410	8.83	0.977	8.679	13.16
12	12.75	0.750	11.160	12.43	1.159	10.293	18.51
14	14.00	0.824	12.253	14.98	1.273	11.301	22.32
16	16.00	0.941	14.005	19.57	1.455	12.915	29.15
18	18.00	1.059	15.755	24.77	1.636	14.532	36.89
20	20.00	1.176	17.507	30.58	1.818	16.146	45.54
22	22.00	1.294	19.257	37.00	2.000	17.760	55.10
24	24.00	1.412	21.007	44.03	2.182	19.374	65.58
26	26.00	1.529	22.759	51.67	2.364	20.988	76.96
28	28.00	1.647	24.508	59.93	2.545	22.605	89.26
30	30.00	1.765	26.258	68.80	2.727	24.219	102.47
32	32.00	1.882	28.010	78.28	2.909	25.833	116.58
34	34.00	2.000	29.760	88.37	3.091	27.447	131.61
36	36.00	2.118	31.510	99.07	3.273	29.061	147.55
42	42.00	2.471	36.761	134.84	3.818	33.905	200.84
48	48.00	2.824	42.013	176.12			
54	54.00	3.176	47.266	222.90			

This product flyer is intended for reference purposes. It should not be used in place of the advice from a licensed Professional Engineer. Pressure Ratings and Pressure Class are based on operating temperature up to 80°F. Pressure class is based on a 0.5 Design Factor for water application from AWWA while Pressure Rating is based on a 0.63 Design Factor per PPI TR-41. 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 information available at [www.performancepipe.com](http://www.performancepipe.com)