

## 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 Application	
Color	Application
Blue	Potable Water
Green	Wastewater
Purple	Treated Effluent, Reclaimed Water
Red	Factory Mutual
White – Gray – Brown	Customer Specified

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





# DriscoPlex® 4000/4100 Series PE Piping

DriscoPlex® 4000/4100 Series Pipe Material Physical Properties		
Property	Standard	Typical Value†
Material Designation		PE4710
Cell Classification	ASTM D3350	445574C
Density [4]	ASTM D1505	0.960 g/cc (black)
Melt Index [4]	ASTM D1238	0.08 g/10 min
Flexural Modulus [5]	ASTM D790	>140,000 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]	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

Common Dimension Ratios* for DriscoPlex® 4100 IPS Series Pipe							
IPS		DR 17			DR 11		
		PC = 125			PC = 200		
Pipe Size in.	OD in.	Min. Wall in.	Avg. ID in.	Weight lbs/ft	Min. Wall in.	Avg. ID in.	Weight lbs/ft
4	4.50	0.265	3.939	1.55	0.409	3.633	2.31
6	6.625	0.390	5.799	3.36	0.602	5.348	5.00
8	8.625	0.507	7.549	5.69	0.784	6.963	8.47
10	10.75	0.632	9.409	8.83	0.977	8.678	13.16
12	12.75	0.750	11.160	12.43	1.159	10.293	18.51
14	14.00	0.824	12.254	14.98	1.273	11.302	22.32
16	16.00	0.941	14.005	19.57	1.455	12.916	29.15
18	18.00	1.059	15.755	24.77	1.636	14.531	36.89
20	20.00	1.176	17.506	30.58	1.818	16.145	45.54
22	22.00	1.294	19.256	37.00	2.000	17.760	55.10
24	24.00	1.412	21.007	44.03	2.182	19.375	65.58
26	26.00	1.529	22.758	51.67	2.364	20.989	76.96
28	28.00	1.647	24.508	59.93	2.545	22.604	89.26
30	30.00	1.765	26.259	68.80	2.727	24.218	102.47
32	32.00	1.882	28.009	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	31.511	99.07	3.273	29.062	147.55

Common Dimension Ratios* for DriscoPlex® 4000 DIPS Series Pipe							
DIPS		DR 17			DR 11		
		PC = 125			PC = 200		
Pipe Size in.	OD in.	Min. Wall in.	Avg. ID in.	Weight lbs/ft	Min. Wall in.	Avg. ID in.	Weight lbs/ft
4	4.80	0.282	4.201	1.76	0.436	3.875	2.62
6	6.90	0.406	6.040	3.64	0.627	5.570	5.42
8	9.05	0.532	7.921	6.26	0.823	7.306	9.32
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	14.047	34.47
18	19.50	1.147	17.068	29.07	1.773	15.742	43.29
20	21.60	1.271	18.906	35.66	1.964	17.437	53.12
24	25.80	1.518	22.583	50.88	2.345	20.828	75.78
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	30.919	167.01
42	44.50	2.618	38.951	151.37	4.045	35.924	225.46

Dimensions for DriscoPlex® 4100 IPS Series Pipe Sized < 4in†				
IPS		DR 9		
		PC= 250		
Pipe Size in.	OD in.	Min. Wall in.	Avg. ID in.	Weight lbs/ft
2	2.375	0.264	1.816	0.77
3	3.50	0.389	2.676	1.66

\* Additional sizes and DR's are available ([IPS](#) & [DIPS](#)). Contact Performance Pipe.

† AWWA piping sized under 4in only permitted in DR9 per AWWA C901-20 update

Average ID 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. Pressure class (PC) is the working pressure ratings to 80°F for applications flowing water and aqueous solutions of salt, acids, and bases. Some applications may require additional design factors

This product flyer is intended for reference purposes. It should not be used in place of the advice from a licensed Professional Engineer